

**R. T. E. Society's
Arts Science and Commerce Degree College,
Ranebennur-581115**

Criteria 1- Curricular Aspects

Key Indicator- 1.3 Curriculum Enrichment

*1.3.2. Percentage of students undertaking project work/field work/ internships
(Data for the latest completed academic year).*

CLAIM SHEET

Sl.No.	Index	Page Number
01	Syllabus and Project Certificate Samples	2-168

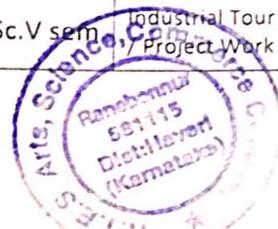
R.T.E.Society's
Arts, Science & Commerce Degree College, Ranbennur – 581 115

List of students who completed field work of academic year 2021-22

Fieldwork /project work conducted

Sl No	Name of the student	Course	Report ing to	Batch	Semester	Work
1	MADHU MEDAR	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
2	AKSHATA MATHUR	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
3	AISHWARYA C.H.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
4	ARCHANA B.M.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
5	DIVYA V MAKANUR	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
6	ANJALI V	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
7	ARUNA C RATHOD	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
8	PUJAR PRIYANJALI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
9	MEGHA RAJPUT	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
10	ANISHA TAHASILDAR	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
11	RANJITA ITAGI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
12	MISBA J.G.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
13	POOJA. S. AIRANI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
14	MALA AMBALER	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
15	SHIVALEELA PATIL	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
16	SHILPA SHILLIKYATAR	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
17	VARSHINI N.M.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work

Principal
PRINCIPAL
R.T.E.S. Society's
Arts, Science & Commerce Degree College
Ranbennur - 581 115
Dodd Ballari District
(Karnataka)

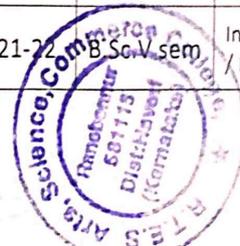


18	PRABHAVATI L.S.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
19	SHILPA. Y.H.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
20	POOJA. M.K.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
21	KAVYA .L.D.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
22	MAHADEVARADDY S.H.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
23	THAYINI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
24	HARSHITA. K.M.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
25	VIDYA. M.JYOTI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
26	RANJITA. V. ELIGAR	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
27	GANESH ARALIKATTI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
28	PARVATI H.M.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
29	CHAITRA. P. INAMATI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
30	SAHANA D HUNASIKALAGAR	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
31	ARSHIYA DARUGAR	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
32	JAMIYA ANJUM	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
33	AKSHATHA C.G.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
34	RENUKA. V.M.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
35	SHWETA. C.G.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
36	CHANDRAKALA. K.C.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
37	POOJA. S.H.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
38	POORNIMA. R.R.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work



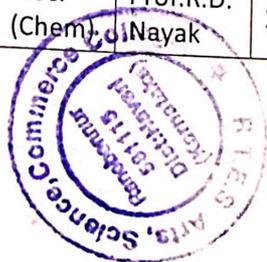
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39	NEHA R.K.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
40	AMANA K.S.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
41	LATA. B. GYANAGOUDRA	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
42	UMA. J.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
43	KIRAN B CHAVAN	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
44	VARIN AMBLI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
45	PADMAVATHI J.T.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
46	BHUMIKA. U.N.	B.Sc. Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
47	BHUSHRA KHANUM	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
48	BIBI HAJARAN A.D.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
49	RUKHAYYA BANU A.N.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
50	BHARGAVI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
51	ANU V.K.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
52	SANJANA. S.M.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
53	HABEEBA Z.D.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
54	KARISHMA. A.M.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
55	MADHU.S.K.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
56	MUSKAN	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
57	RAJESHWARI.R. NAIK	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
58	AMULYA. M. SURANAGI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
59	POOJA. B. KAYAKAD	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work



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47	BHUSHRA KHANUM	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
48	BIBI HAJARAN A.D.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
49	RUKHAYYA BANU A.N.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
50	BHARGAVI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
51	ANU V.K.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
52	SANJANA. S.M.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
53	HABEEBA Z.D.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
54	KARISHMA. A.M.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
55	MADHU.S.K.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
56	MUSKAN	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
57	RAJESHWARI.R. NAIK	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
58	AMULYA. M. SURANAGI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
59	POOJA. B. KAYAKAD	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report Project Work

60	SUSHMITA. M. MUDIGOUDAR	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
61	SHIFA NAZ MEDLERI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
62	MALLIKA ANJUM F.S.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
63	MOHSINA KHANUM. M.P.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
64	SHIFA. ANJUM	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
65	VIDYA H SANKAPPALAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
66	K. NEHA	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
67	RAKSHITHA.K.G.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
68	SHRIRAKSHA	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
69	BHOOMIKA N GANAD	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
70	SEVANTHKUMAR. R.A.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
71	SHARATH. M.M.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
72	MARDAN ALI DODMANI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
73	AKASH. R.M.	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
74	NALINA	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
75	POORNIMA	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
76	ANITHA	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
77	LAXMI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
78	AKSHATHA	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work
79	VIJAY BYADGI	B.Sc. (Chem)	Prof.R.D. Nayak	21-22	B.Sc.V sem	Industrial Tour Report / Project Work



Signature
 R.T.E. College, Ramabennur
 Science & Commerce Degree College, RAMABENUR

R.T.E.Society's
Arts, Science & Commerce Degree College, Ranbennur – 581 115

List of students who completed field work of academic year 2021-22

Field work /Project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	POORNIMA A HOLEYAPPANAVAR	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
2	PRIYANKA S MEHARWADE	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
3	RAKSHITA MASANAGI	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
4	RAKHESH MUDUKAMMANAVAR	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
5	RASHMI S SHADAKSHARIMATH	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
6	ROOPA C KODIHALLI	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
7	SACHIN N CHAVADANNANAVAR	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
8	SANGEETA S NIRALAGI	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
9	S.S. VARSHA	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
10	SAVITA P KARAJGI	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
11	SIDDARAJ S CHALAVADI	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
12	SANKET K CHANNAKERI	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
13	SHARATH M MUSUNDI	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
14	SHIFA ANJUM	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report
15	SHEVANTHKUMAR AMBALI	B.Sc. (Bot)	Prof.T.G.Malammanavar	21-22	B.Sc.V Sem	Study tour report / Project report


PRINCIPAL
R.T.E. Society's Arts, Science &
Commerce Degree College, RANBENNUR



R.T.E.Society's
Arts, Science & Commerce Degree College, Ranbennur – 581 115

List of students who completed field work of academic year 2021-22

Field work /Project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	SUPRITA K GOVINDAGOUDRU	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
2	PRIYANKA S MEHARWADE	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
3	RAKSHITA MASANAGI	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
4	RAKHESH MUDUKAMMANAVAR	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
5	RASHMI S SHADAKSHARIMATH	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
6	ROOPA C KODIHALLI	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
7	SACHIN N CHAVADANNANAVAR	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
8	SANGEETA S NIRALAGI	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
9	S.S. VARSHA	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
10	SAVITA P KARAJGI	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
11	SIDDARAJ S CHALAVADI	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
12	SANKET K CHANNAKERI	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
13	SHARATH M MUSUNDI	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
14	SHIFA ANJUM	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report
15	SHEVANTHKUMAR AMBALI	B.Sc. (Zoo)	Chetana Melagiri	21-22	B.Sc.V Sem	Project report

(Signature)
PRINCIPAL
R.T.E. Society's Arts, Science & Commerce Degree College, RANBENNUR, JR

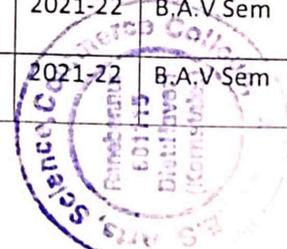


R. T. E. Society's
Arts, Science & Commerce Degree College, Ranbennur – 581 115

List of students who completed field work of academic year 2021-22

Fieldwork / Project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	AKSHAYAKUMAR S PARWATER	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
2	ANIL J HADDAR	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
3	ARUN C KENCHANAGOUDRA	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
4	BHARAMAPPA S MUDDI	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
5	BARATH A KALAPPANAVAR	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
6	DILEEPA M BEERAKARA	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
7	DUSHANBABU PINJAR	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
8	FAKKEERAPPA N HARIJAN	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
9	JEEVANKUMAR M BAGALAKOTI	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
10	MALATESH ANTRAVALLI	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
11	MALATESH ARALIKATTI	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
12	MALESH L MANENAVAR	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
13	MANJUNATHA S KADEPANAVAR	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
14	MANOHAR S MUDDER	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
15	MOHAN RAMAPPA B	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
16	NAGARAJA R KHANDEPPALAVAR	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
17	NAVEENA D BANNIMATTI	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
18	RAJEEV DILLENNANAVAR	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
19	RAMANAGOUDA SHETTANAGOWDA	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
20	RAMESHA JOGANAVARA	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
21	RENUKASWAMY S MATHAD	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
22	SANTOSH K HUCHCHALAVAR	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report



23	SANTOSH P KAGININGANNAVAR	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
24	SHEKHARAJ N HEBBAL	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
25	SHIVANAGOUDA HOSAGOGAUDRA	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
26	SHIVASHANKARAPPA KUSAGUR	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
27	SHREEDHARA P MATTOORA	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
28	SOMAPPA JAYAPPA HALAVAGALA	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
29	SHREEKANTH K MIRJI	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
30	SUNEEL NAIK	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
31	SURESH KATTI	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
32	TEJASHKUMAR K.K.	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
33	VENKATESH A ODATER	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report
34	VINAYAK YALAVATTI	B.A(GEO)	Prof. Megharaj S K	2021-22	B.A.V Sem	Project report


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CH: 6.2-CHEMISTRY-VIII (Paper-II)**Proposed Syllabus for Semester-VI (Paper-II)**

No. of hours per week : 3
 Total No. of Hours : 40

Theory : 80 Marks
 I A : 20 Marks

INORGANIC CHEMISTRY**Analytical Chemistry:**

- Chromatography: Principle and applications of paper chromatography & Column chromatography. Calculation of R_f value. (2 Hrs)
- Ion Exchange Process: Principle, Types of Ion exchange resins and determination of Chlorides by ion exchange method. (2 Hrs)
- Flame Photometry: Principle, instrumentation and application. Flame Photometric determination of Na & K (2 Hrs)
- Thermogravimetry: Principle and application of Thermo-analytical methods (TG & DTA) (2 Hrs)
- Electrogravimetry: Principle, instrumentation and application. Electrogravimetric estimation of Cu. (2 Hrs)

Soil Chemistry:

Macro nutrients in soil, trace metals and organic matter in soil, Determination of pH, nitrogen (by alkaline permanganate method) & phosphorus (by Bray's & Olsen's method) present in the soil. (3 Hrs)

ORGANIC CHEMISTRY

1) **NMR Spectroscopy** – Proton Magnetic Resonance ($^1\text{H NMR}$) spectroscopy, Nuclear shielding and deshielding, Chemical shift and molecular structure. Spin – spin couplings. Interpretation of PMR spectra of simple organic molecules such as Ethyl bromide, Ethanol, Acetaldehyde and Toluene **4 hrs**

2) **Chemotherapy** :- Introduction, requirement of an ideal synthetic drug, Classification, Synthesis and uses of the following :

Analgesics – Aspirin, Analgin.

Antipyretics – Antipyrene, Paracetamol.

Anaesthetics – Novocaine (local) and Pentothal sodium (general).

Antihistamines – Chlorpheniramine maleate (CPM).

Antimalarials – Paludrine, Chloroquine.

Para pharmaceutical Reagents – Benedict's reagent, Blood grouping reagents, Sodium citrate, Baford reagent.

6hrs

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3) **Soaps & Detergents:-** Introduction, Soaps - manufacture by modern process, cleansing action of soap. Detergents - anionic, cationic and nonionic, with suitable examples - distinction between soaps and detergents. Emulsifiers, Stabilisers and Builders. 4hrs

PHYSICAL CHEMISTRY

1. **Photochemistry:** Photochemical reactions, laws of photochemistry; Lambert's law, Beer-Lambert's law, Grothus Drapper's law and Einstein's law of photochemical equivalence. Quantum efficiency. Experimental determination of quantum efficiency by chemical actinometers. Reasons for high and too low quantum efficiencies with examples. Fluorescence, phosphorescence, photosensitization, photo inhibitions and chemiluminescence. 7 Hrs

2. **Physical properties and molecular structure:** Optical activity, polarization (Clausius - Mossotti equation assumed). Orientation of dipoles in an electric field, dipole moment, induced dipole moment, measurement of dipole moment by temperature variation method. Dipole moment and structure of molecules 6 Hrs

CH (Pr): 6.3-Lab Course in Chemistry-VII (Inorganic)

Total No of hours /week : 4Hrs.

Pract. : 40 Marks

Total No. of Hours : 52Hrs.

I. A. : 10 Marks

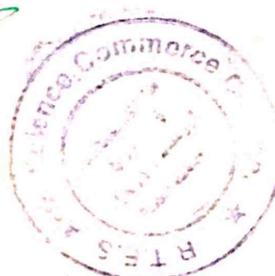
I) Volumetric estimation

1. Preparation of aqueous Iron(III) solution from haematite ore or solid Fe_2O_3 and estimation of percentage of iron in the solution using standard $\text{K}_2\text{Cr}_2\text{O}_7$ solution (internal indicator method).
2. Preparation of aqueous solution of Cu and Zn from brass and estimation of percentage of Cu in the solution using standard $\text{Na}_2\text{S}_2\text{O}_3$ solution.
3. Preparation of calcium chloride solution from limestone and estimation of percentage of calcium in the solution by oxalate method.
4. Estimation of zinc using decinormal solution of potassium ferrocyanide solution. Standardization of the titrant is to be done with standard ZnSO_4 solution.

II. Gravimetric estimations

5. Estimation of barium as BaSO_4
6. Estimation of Al as Al_2O_3
7. Estimation of iron as Fe_2O_3

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8. Estimation of lead as $PbSO_4$

III. Preparation and determination of percentage yield of the following compounds:

9. Ni – DMG complex

10. Cis – Trans Bis oxalate diaqua chromate (III)

11. Hexamine cobalt(II) chloride.

IV. Ion exchange process:

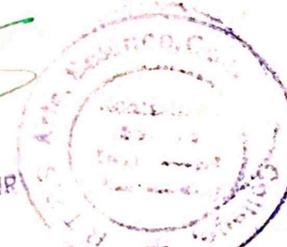
12. Separation of Mg (II) and Fe (II) by ion exchange method.

Industrial study tour report or project work report is compulsory in VI-semester. The report carries 10 marks and it should be submitted in inorganic chemistry practicals (6.3-Lab Course).

The following projects may be considered

1. Soil analysis
2. Water analysis
3. Sewage water treatment and management
4. Ion exchange methods
5. Chromatography
6. Crystallization and assay
7. Preparation of organic compound / complex compound and assay
8. Effect of pesticides and insecticides
9. Milk analysis
10. Preparation of pharmaceutical compounds and assay
11. Chemical processes in; textile industries / Fertilizer industries/ Dairy industries / chemical industries / ceramic industries / sugar industries/ oil industries / solvent extraction / liquor industries
12. Alternate sources of generating electric power / engine fuel

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(Code 3212)

Ranebennur Taluka Education Society's

2021-22



ARTS, SCIENCE AND COMMERCE DEGREE COLLEGE

Dist : Haveri)

RANEBENNUR - 581 115

(State : Karnataka

Affiliated to Karnataka University

Email : Principal_rtescollege@yahoo.com Fax :08373-266461 (D) : 08373-266461 (C), 268447 (R), Mob: 9449121300

Ref. No. RTES :

Date : 18 / 11 / 22

To,
The GM
Karnatak Soaps and Allied Industry
Hunasikatti Road
Ranebennur

Respected Sir,

Sub:Request to give permission to visit your esteem industry regarding.

With Reference To The Subjects Cited Above, I Would Like To Bring To Your Kind Notice That For B.Sc All Sem Students Industrial Visit.

Therefore We Request You To Give The Permission To Our Students And Staff Members, To Visit Industry Preferably Nov 2022. We Hope You Will Do The Needful And Your Positive Response Is Solicited.

Thanking you

Your's faithfully

R. Goli
Head of the Dept. of Chemistry
Arts & Science College,
RANEBENNUR.

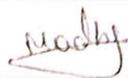
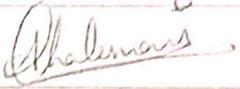
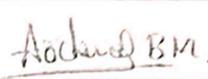
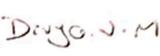
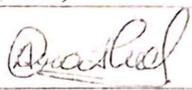
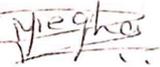
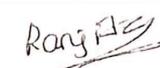
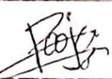
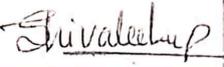
[Signature]
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Permission granted to visit our unit.
18/11/2022 with your students & staff



Attested By
[Signature]
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PARTICIPANTS LIST

Sl.No	Reg. No	Name	Phone No	Signature
1 ✓	19S15570	Madhu Medar	8971550795	
2 ✓	19S15510	Akshata Mathur	9108313799	
3 ✓	19S15502	Aishwarya. C. H	8088985014	
4 ✓	19S15519	Archana. B.M.	8549081567	
5 ✓	19S15542	Divya. V. Makanur	8296782799	
6 ✓	19S15517	Anjali. V.	9390816631	
7 ✓	19S15520	Aruna. C. Kathod	6360465042	
8 ✓	19S15521	Pujar Priyanjali	6362129348	
9 ✓	19S15590	Megha. Rajput	9611479537	
10	19S15514	Anisha. Tahasildar	9901576920	
11	19S15678	Ranjita. Itagi	8088185466	
12 ✓	19S15591	Misba. J.G.	9242146921	
13	19S15613	Pooja. S. Airani	6361199397	
14	19S15574	Mala. Ambaler	8088289526	
15	19S15657	Shivaleela. Patil	8431221524	
16	19S15655	Shilpa. Shillikyatar	9739292048	

17



17	19S15679	Varshini. N. M.	6364126041	
18	19S15617	Prabhavati. L. S	8088238561	
19	19S15656	Shilpa. Y. H	8904362495	
20 ✓	19S15612	Pooja. M. K	9019641673	
21 ✓	19S15565	Kavya. L. D	9686547653	
✓22	19S15571	Mahadevaraddy. S. H	9164906917	
23 ✓	19S15676	Thayini.	9019568466	
24	19S15555	Harshita. K. M	9353174387	
25 ✓	19S15683	Vidya. M. Jyoti	7676237992	
26	19S15631	Ranjita. V. Eligar	8088281076	
27	19S15644	Ganesh. Aralikatti	7353885825	
28 ✓	U002HS215 0060	Parvati. H. M	8217226457	
29 ✓	0114	Chaitra. P. G. Inamati	8310558581	
30	0095	Sahana D. Hunsalkar	7624903854	
31 ✓	0020	Arshiya Darugar	6361075364	
32 ✓	0039	Jamila. Anjum.	8618004065	
33 ✓	0002	Akshatha. C. G	8747076326	
34 ✓	0097	Renuka. V. M	8618356395	
38 ✓	0017	Shweta. C. G	7975135716	
39 ✓	0021	Chandrika. K. C.	8411430206	
40	0104	Pooja. S. H	8762242463	



41	0118	Poornima. R. R.	7204533761	<u>Poornima</u>
42	0147	Neha. R. K	9902869095	<u>Neha</u>
43	0072	Amara. K. S	8296246324	<u>Amara</u>
44	0005	Lata. B. Gyanagoudra	8088673500	<u>Lata</u>
45	0018	Uma. J.	8050613013	<u>Uma</u>
46	0075	Kiran. B. Chavhan	8147019221	<u>Kiran</u>
47	0077	Varun. Ambli	6361753506	<u>Varun</u>
	DSCC			
48	0027	Padmavathi. J. T	6360297601	<u>Padma</u>
49	0070	Bhumika. U. N	9280489096	<u>Bhumika</u>
50	0116	Bushra khanum	8431969979	<u>Bushra</u>
51	0160	Bibi Hajaran. A. D.	7624863380	<u>Bibi</u>
52	0173	Rukharyya Banu A. N.	8660975641	<u>Rukharyya</u>
53	0109	Bhargavi	8317398175	<u>Bhargavi</u>
54	0014	Anu. V. K.	9845830612	<u>Anu V.K.</u>
55	0107	Sanjana. S. M.	8310573649	<u>Sanjana</u>
56	0151	Babeeba. Z. D.	8217605554	<u>Babeeba</u>
57	0086	Karishma. A. M.	8147019221	<u>Karishma</u>
58	0007	Madhu. S. K.	7026811401	<u>Madhu</u>
59	0087	Muskan	821760554	<u>Muskan</u>
60	20S15703	Rajeshwari. R. Naik	9606759360	<u>Rajeshwari Naik</u>



Attested By

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61	20S15608	Amulya. M. Suranagi	9845666568	<i>Amulya</i>
62	20S15694	Pooja. B. Kayakad	9535165018	<i>Pooja</i>
63	20S15750	Sushmita. M. Mudigoudar	9591515164	<i>Sushmita</i>
64	20S15731	Shifa Naz Medleri	8431722417	<i>Shifa</i>
65	20S15669	Mallika Anjum. F. S	7338049253	<i>Mallika</i>
66	20S15683	Mohsina Khanum M.P	9353427853	<i>Mohsina</i>
67	20S15730	Shifa Anjum	9353141550	<i>Shifa</i>
68	20S15758	Vidya. H. Sankappalavar	9019635683	<i>Vidya</i>
69	20S15647	K. Neha.	7204118361	<i>Neha</i>
70	20S15706	Rakshitha. K. G	8867215469	<i>Rakshitha</i>
71	20S15735	Shriraksha	9743443889	<i>Shriraksha</i>
72	20S15622	Bhoomika. N. Ganad	6361185916	<i>Bhoomika</i>
73	20S15729	Sevanthkumar. R. A.	8660119984	<i>Sevanthkumar</i>
74	20S15727	Sharath. M. M.	7204119645	<i>Sharath</i>
75	20S15676	Maradan. Ali. Dodmani	9538106357	<i>Maradan</i>
78	20S15606	Akash. R. M	6363578823	<i>Akash</i>
79	20S15684	Nalina	9901198011	<i>Nalina</i>
80	20S15698	Poorinima	7019673130	<i>Poorinima</i>
81	20S15610	Anitha	8904291156	<i>Anitha</i>
82	20S15664	Laxmi	6362458825	<i>Laxmi</i>
83	20S15607	Akshata	8147239084	<i>Akshata</i>
84	20S15760	Vinay Byadgi	8105143517	<i>Vinay</i>



2020-21.



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NAAC 'B' Grade

Ranebennur Taluka Education Society's

ARTS, SCIENCE AND COMMERCE DEGREE COLLEGE

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RANEBENNUR - 581 115

(State : Karnataka

(District Lead College)

Affiliated to Karnataka University

(Code 3212)

Email : Principal_rtescollege@yahoo.com Fax :08373-266461 (C) 08373-266461 (C), 268447 (R), Mob: 9449121300

Ref. No. RTES : 726 | 2019-20

Date : 29-01-2020

To,
The GM/Chief Engineer/Chief Chemist
Karnataka Sahakari Sakkare Kharkhane
Sangur. Tq&Dist: Haveri

Respected Sir,

Subject: Request to give permission to visit your esteem
Industry regarding.

With reference to the subject cited above, I would like to
bring to your kind notice that for B.Sc. VIth sem students Industrial
visit is compulsory, it is part of the curriculum of Karnataka
University Dharwad.

Therefore we request you to give the permission to our
students and staff members 94(Students & 3 Staff members) to
visit Industry preferably 23 Feb. 2020. We hope you will do the
needful and your positive response is solicited.

Thanking you

Yours faithfully

[Handwritten Signature]

[Handwritten Signature]
Principal
R.T.E.S. Society's Arts, Science &
Commerce Degree College, RANEBENNUR



Attested By
[Handwritten Signature]
PRINCIPAL
R.T.E.S. Society's Arts, Science &
Commerce Degree College, RANEBENNUR

R.T.E Society's
ARTS, SCIENCE AND COMMERCE COLLEGE
RANEBENNUR – 581115
DEPARTMENT OF CHEMISTRY

CERTIFICATE FOR PRODUCT REPORT

Dist: Haveri

State: Karnataka



This is to certify that kumar/kumari Amisha. R. Tahasildar
_____ has prepared and participate in the project on
Soaps _____ in chemistry prescribed by Karnataka University of
Dharwad for Bsc-6th sem {paper-1} course during the year 2021-22.


Signature

Guide of the Batch

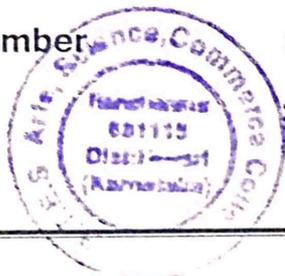
Date:


Head of the department

Name of the candidate : Amisha. R. Tahasildar

Register number : 19815514

Class : Bsc VIIth sem.

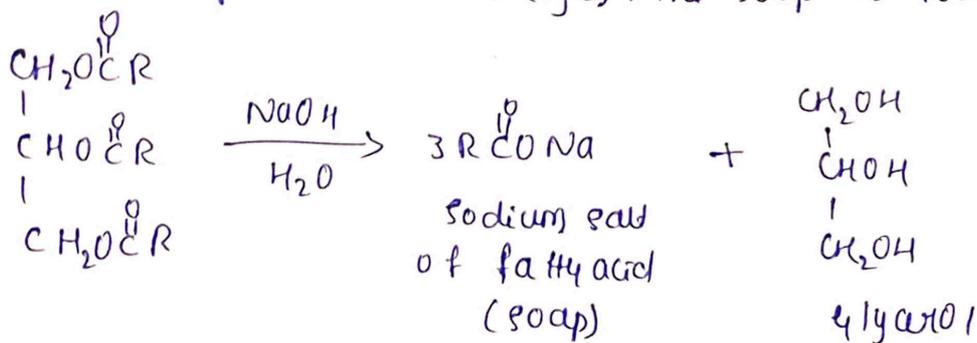



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SOAPS



Soaps are sodium potassium salts of higher fatty acids like stearic acid, palmitic acid, oleic acid etc. They are obtained fat is stirred with a calculated quantity of caustic soda or caustic potash solution (lye). the soap is formed



Soap is an item of daily necessity as a cleaning agent. It is the traditional washing compound. Soap is a salt of high carboxylic acid. Basically it is made from oil fats and caustic alkali. By today there are a lot of soap types on the market.



Lux, Unthol, Iiril, Rexona, and Nirma, premium soaps, are estimated to have a market volume of about 80,000 tonnes. This translates into a share of about 14 to 15%. However by value it is as much as 30%.

There are various legends surrounding the beginning of soaps but no one exactly knows when soap was discovered we can find the emergence of the first soap or at least the first use of soap in the Roman legends.

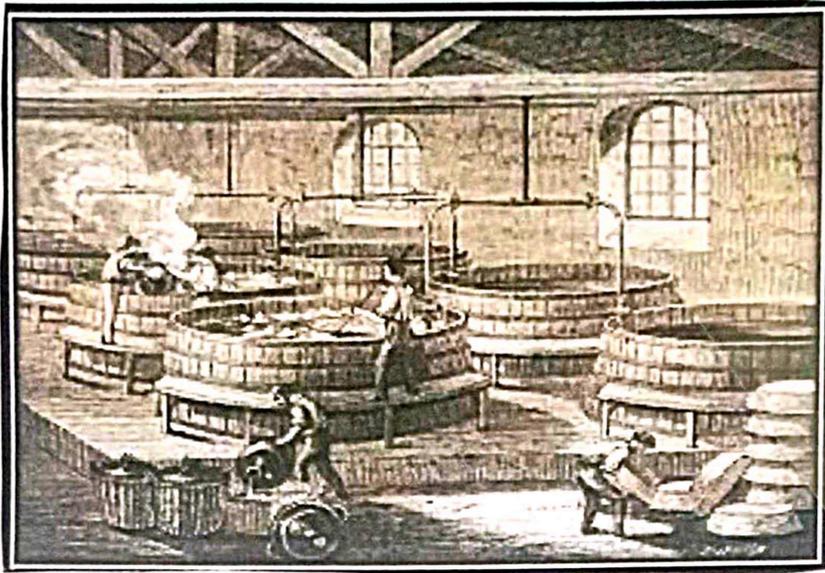
According to Roman legends, soap was named after mount Sapo, an ancient site of animal sacrifices. After an animal sacrifice, some rain would wash animal fat and osh that collected under the ceremonial altar down to the bank of the Tiber River.

Women washing clothes in the River noticed that if they washed their clothes in certain parts of the river after a rain all their clothes were much cleaner. Also, the earliest known written soap recipe was written on clay tablets and is credited to ancient Babylonians. From then on, it has evolved into the commercial soap we know undergoing various processes and changes.

The first concrete evidence we have of soap-like substance is dated around 2800 BC. The first soap makers were Babylonians, Mesopotamians, Egyptians, as well as the ancient Greeks and Romans. All of them made soap by mixing fat oils and salts. Soap wasn't made and used for bathing and personal hygiene but was rather produced for cleaning cooking utensils or goods or was used for medicinal purposes.

History of Soaps.

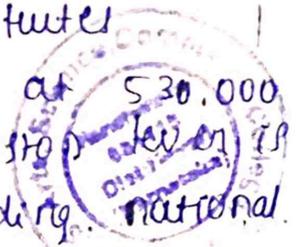




During the British rule the Lever Brothers, England, introduced modern soaps by importing and marketing them in company, the soap manufacturing plant in India, situated in the city of Meerut, in the state of Uttar Pradesh. In 1897, they Tata set up India's first indigenous soap manufacturing unit when he purchased the coconut oil mills at for cooking and manufactured crude cold process laundry soaps that were sold locally and it was renamed The Tata Oil Mills Company and its first branded soaps appeared on the market in the early 1930's

Soap became a necessity for the moneyed class around 1937. Today with increase in disposable income all around the world along with India, growth the rural demand is expected to increase because consumers are moving up towards premium products. However, in the recent past there has not been much change in the volume of premium soaps in proportion to economy soaps, this was due to the increase in prices which has led some consumers to look for substitutes.

The toilet soaps market is estimated at 530,000 TAA, including small imports, where the Hindustan Lever is the market leader. The market has several, leading, national and global brands. The popular brands include Lifebuoy,



Types of Soaps.

1) washing soaps (or hard soaps):

These are made from cheaper fats like mohwa oil, soapin, etc. caustic soda is used for their saponification. These soaps may contain slight excess of the lye. Sodium silicate is added to these soaps as a filter. Some cheap starch or white clay is added to increase the weight and reduce the cost. A little cheap perfume may also be added to cover the smell of the raw soap. The soaps are used for the washing of cotton clothes and purposes. They cannot be used for bathing because the excess alkali injures the skin.

2) Toilet soaps (or soft soaps):-

These are made from best quality animal or vegetable fats or mixture of both. After saponification these soaps are made free from excess alkali by salting out process. Then, they are compressed into cakes and packed. These soaps do not injure the skin and hence, used for toilet purposes.

3) Metallic soaps :

These are salts of metals other than sodium and potassium.

4) Transparent soaps:-

These are formed by dissolving toilet soaps in alcohol and evaporating the filtrate. They contain glycerol.

5) Medicated soaps:-

Toilet soaps containing some substances of medical value are called medicated soaps.

(eg:- Carbolic soap containing 0.5 percent phenol)



5) Shaving soaps:-

These are toilet soaps containing gum and glycerin present rapid drying of lather.

6) Floating soaps:-

These are the soaps obtained by heating large quantities of air into soap while it is in creamy stage.

7) Liquid soaps

These are the soaps obtained by the action of coconut oil and caustic potash and contains about 70 to 85 percent water.

Soap is a good cleaning agent. It is 100% biodegradable. Micro-organisms present in sewage water are to advise it completely to CO_2 .

Hence it does not create any pollution problem.


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DEPT. of Botany.

Scheme of Practical Examination (distribution of marks): 25 marks for the Semester end examination

1. Identify, classify and write the salient features observed of specimen A, B, C **6 Marks**
2. Perform simple/Gram staining using material 'D'. Show the preparation to the examiners **4 Marks**
3. Identification of the disease and explain symptoms observed in specimen E and F **4 Marks**
4. Identify and describe the features observed in the slides/specimen G, and H **4 Marks**
5. Study Tour Report **2 Marks**
6. Viva voce **2 Marks**
7. Journal **3 Marks**

Total 25 marks

Note: Same Scheme may be used for IA (Formative Assessment) examination

Books recommended.

1. Ashok Bendre and Ashok Kumar (2009) A textbook of practical botany. Rostakge Publications.
2. Sharma, O.P., and Sharma, K. D. (2017) Practical Botany-I. Pragathi Prakashan, Meerut.
3. Raghuram, M, and Rao, M. V. (2018) B. Sc. Practical Book of Botany First Year. Technical Publishers.
4. Verghese, N., Joy, P.P. Microbiology Laboratory Manual, Kerala Agricultural University.




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General instructions:

- Q1. Give specimen from Algae, Bryophytes, Pteridophytes, and Gymnosperms (A, B, C, and D)
- Q2. Preparation and analysis of material Algae/Bryophytes/Pteridophytes/ Gymnosperms (E and F)
- Q3. Specimen or Slides from Algae/Bryophytes/Pteridophytes/Gymnosperms (H, I, and J)
- Q4. Study Tour Report
- Q5. Viva
- Q6. Journal

Scheme of Practical Examination (distribution of marks): 25 marks for the Semester end examination

1. Identify, classify and describe features observed in specimen 8 Marks
2. Describe the internal structures of the given specimen 4 Marks
3. Identification of Specimen slides 6 Marks
4. Study Tour Report 2 Marks
5. Viva 2 Marks
6. Journal 3 Marks

Total 25 marks

Note: Same Scheme may be used for IA (Formative Assessment) examination

Books recommended.

1. Ashok Bendre and Ashok Kumar (2009) A textbook of practical botany, Rastakge Publications.
2. Sharma, O.P., and Sharma, K. D. (2017) Practical Botany-I, Pragathi Prakashan, Meerut.
3. Raghuram, M, and Rao, M. V. (2018) B. Sc. Practical Book of Botany First Year, Technical Publishers.
4. Verghese, N., Joy, P.P. Microbiology Laboratory Manual, Kerala Agricultural University.



[Signature]
PRINCIPAL
R.T.E. Society, Arts, Science &
Commerce Degree College, BANGALORE

NAME :- POORVIMA.A.HOLEYAPPANAVAR

CLASS :- BSC V SEM CBZ

SUB :- BOTANY

R.NO :- 20515695

COLLEGE :- RTE'S COLLEGE

2021 - 22

PLANT NAME :- MAIZE PLANT


Head of the Department
of Botany
R.T.E.S. Arts Science &
Commerce College
RANEENNUR-581115.




PRINCIPAL
R.T.E. Society, Arts, Science &
Commerce Degree College, RANEENNUR

Control Measures

- ① Destroy infected crop residue from the field.
- ② Use of resistant / tolerant hybrids
- ③ Use seeds pelleted with insecticides (See Sorghum)
- ④ Seed treatment with imidacloprid 70 WS 10g / kg of seeds
- ⑤ Plough soon after harvest, remove and destroy the stubbles.
- ⑥ Regular irrigations particularly during flowering time should be provided.
- ⑦ Use resistant varieties like DHM 103, Ganga Safed-2 and avoid sowing of susceptible varieties like DHM 105.
- ⑧ Seed treatment with Carbendazim or Thiom 3g / kg seed is effective.
- ⑨ Field sanitation, crop rotation should be followed.
- ⑩ Eliminate the hazard.
- ⑪ Substitute the hazard with a lesser risk.
- ⑫ Use Engineering Controls.
- ⑬ Use personal protective equipment.
- ⑭ Main Control Measures are detective, preventative and corrective.



R.T.E.Society's
Arts, Science & Commerce Degree College, Ranebennur – 581 115

Department of Botany

Students enrolled for Project work for the year 2021-22

Sl.No	Name of the students	Class
1	POORNIMA A HOLEYAPPANAVAR	B.Sc.V Sem
2	PRIYANKA S MEHARWADE	B.Sc.V Sem
3	RAKSHITA MASANAGI	B.Sc.V Sem
4	RAKHESH MUDUKAMMANAVAR	B.Sc.V Sem
5	RASHMI S SHADAKSHARIMATH	B.Sc.V Sem
6	ROOPA C KODIHALLI	B.Sc.V Sem
7	SACHIN N CHAVADANNANAVAR	B.Sc.V Sem
8	SANGEETA S NIRALAGI	B.Sc.V Sem
9	S.S. VARSHA	B.Sc.V Sem
10	SAVITA P KARAJGI	B.Sc.V Sem
11	SIDDARAJ S CHALAVADI	B.Sc.V Sem
12	SANKET K CHANNAKERI	B.Sc.V Sem
13	SHARATH M MUSUNDI	B.Sc.V Sem
14	SHIFA ANJUM	B.Sc.V Sem
15	SHEVANTHKUMAR AMBALI	B.Sc.V Sem


Head of the Department
of Botany
R.T.E.S. Arts Science &
Commerce College
RANEBENNUR-581115.




PRINCIPAL
R.T.E. Society, Arts, Science &
Commerce Degree College, RANEBENNUR

Dept. of Zoology

SCHEME OF PRACTICAL EXAMINATION

1. Estimation	10
2. Identification-5	10
3. Project works report on ecology/wildlife biology	10
4. Viva connected with field work report	05
5. Journal	05
Total	40

Shobha
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R.T.E. Society Arts Science &
Commerce Degree College, RANEBENUR



SCHEME OF PRACTICAL EXAMINATION:

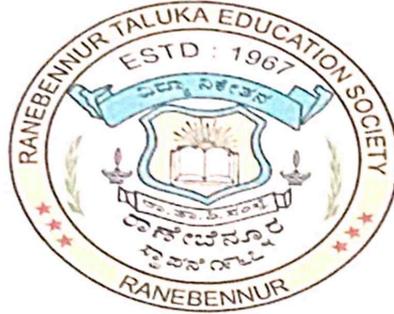
1.	Estimation	10
2.	Identification - 5	10
3.	Project work report on ecology/wildlife biology	10
4.	Viva connected with field work report	05
5.	Journal	05
Total		40




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R.T.E. Society, Arts, Science &
Commerce Degree College, RANIBEN, N.R.

R.T.E.S DEGREE COLLEGE

RANEBENNUR



2021-22

PROJECT

“STUDY ON APICULTURE”

SUBMITTED TO:

DEPARTMENT OF ZOOLOGY

GUIDED BY : CHETANA.M.

H.O.D : B.K.KATENAHALLI

Chethana
31/01/2022

B.K.Kat
31/01/2022

SUBMITTED BY:

NAME: *Supriya .K. Govindagoudru*

ROLL NO: 20515749



[Signature]
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Commerce Degree College, RANEBENNUR

Apiary Management :



* The hives should be made of locally light weight wood & should meet the BIS or the (S) specification. Hives should not be made with unseasoned or honey wood. Care should be taken not to nail the bottom board with hard wood. Care should be taken not to put form should be in the range of 50-60 cm. The average no of fl and the box spacing box should be 50-60 cm. The spacing b/w colonies should be in range 50-60 cm.



R.T.E.Society's
Arts, Science & Commerce Degree College, Ranebennur – 581 115

Department of Zoology

Students enrolled for Project work for the year 2021-22

Sl.No	Name of the students	Class
1	SUPRITA K GOVINDAGOUDRU	B.Sc.V Sem
2	PRIYANKA S MEHARWADE	B.Sc.V Sem
3	RAKSHITA MASANAGI	B.Sc.V Sem
4	RAKHESH MUDUKAMMANAVAR	B.Sc.V Sem
5	RASHMI S SHADAKSHARIMATH	B.Sc.V Sem
6	ROOPA C KODIHALLI	B.Sc.V Sem
7	SACHIN N CHAVADANNANAVAR	B.Sc.V Sem
8	SANGEETA S NIRALAGI	B.Sc.V Sem
9	S.S. VARSHA	B.Sc.V Sem
10	SAVITA P KARAJGI	B.Sc.V Sem
11	SIDDARAJ S CHALAVADI	B.Sc.V Sem
12	SANKET K CHANNAKERI	B.Sc.V Sem
13	SHARATH M MUSUNDI	B.Sc.V Sem
14	SHIFA ANJUM	B.Sc.V Sem
15	SHEVANTHKUMAR AMBALI	B.Sc.V Sem


Head of the Department
of Zoology
R.T.E.S. Arts, Science &
Commerce College
RANEBENNUR-581115


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Commerce Degree College, RANEBENNUR

Geography - 2013-14

KARNATAK UNIVERSITY, DHARWAD

Ref. No. No. KU/(Aca(S&T))/(MSP-015)/Geography/UG/PG/2013-14/ 807

Date: 11

NOTIFICATION

Sub: Revision of Geography syllabus for UG course from the academic year 2013-14 & onwards reg.

- Ref:** 1) BOS in Geography (UG/PG) Res. No. 04, dt; 14.09.2012.
2) Science Faculty, Res.No.06 dt: 11.03.2013.
3) Academic Council Res.No.30 dt: 25-03-2013.
4) Hon'ble Vice-Chancellors order dt: 04.05-2013.

Adverting to the above, it is hereby informed to the Principals of all the constituent and affiliated Arts and Science Degree Colleges that the revised syllabus in Geography syllabus for UG course with effect from the academic year 2013-14 and onwards. The revised syllabus is enclosed herewith.

Hence, the contents of this notification may please be brought to the notice of the students and all concerned.

The concerned syllabus may be obtained through the Karnatak University, Web Site: www.kud.ac.in.

REGISTRAR 315/13

To,

1. The Chairman, BOS in Geography (UG & PG) P.G. Department of Studies in Geography, K.U.Dharwad.
2. Principals of all the constituent and affiliated Arts and Science Degree Colleges coming under the Jurisdiction of Karnatak University, Dharwad.

Copy F.W.cs to;

1. Dr.S.A.Patil, Dean Faculty of Science & Technology, PG. Dept. of Studies in Chemistry, K.U., Dharwad.
2. The Registrar (Evaluation), K.U. Dharwad.
3. The Chairman, PG. Dept. of Studies in Geography, K.U., Dharwad.
4. Dr. R.M. Vataal, J/c. IT Director, Internet Section, Examination Section, K.U. Dharwad for information and with a request to put the said notification and its enclosures in the University website: www.kud.ac.in

Copy to:

1. P.S. to Vice Chancellor, K.U. Dharwad
2. S.A. to Registrar, K.U. Dharwad
3. S.A. to Registrar (Evaluation), K.U. Dharwad
4. O.S. Academic (PG/Crt) Section, K.U. Dharwad
5. O.S. Exam (Arts Faculty) Section, K.U. Dharwad
6. O.S. Exam (Science Faculty) Section, K.U. Dharwad
7. O.S. Exam (PG), Section, K.U. Dharwad
8. O.S. Exam (Conf) Section, K.U. Dharwad
9. O.S. Exam (QP) Section, K.U. Dharwad
10. O.S. Exam (GAD/Time Table) Section, K.U. Dharwad



90,
Library,
315/13

3. Each theory course will have a question paper of '3' hours duration and the maximum mark of '80'

4. Each theory question paper will have '5' questions, each carrying '16' marks ('8+8' marks). Each question has a choice of attempting either 'A' or 'B' fully.

Practical Examination: 1. Each practical course will have an examination of '4' hours duration with maximum marks of '50' of which '40' marks are allotted for the practical examination and '10' marks for internal assessment by conducting an examination in practical taught up to that period.

2. The practical examination is to be conducted in batches with not more than '15' candidates per batch.

3. There will be one internal examiner one external examiner to conduct the practical examination for each batch.

4. Scientific calculators and mobile phones are not allowed in the examination

5. Minimum marks to pass in each paper both theory and a practical is 40%

6. Each candidate shall complete the laboratory course prescribed by the University entering all the experiments/exercises in the Laboratory Journal which shall be produced at the time of practical examination along with a certificate signed both by the course teacher and the Head of the Department of Geography of the concerned college to the effect that he/she has completed the prescribed course in a satisfactory manner.

Name of Papers in B.A./B.Sc. Geography

	Semester	Name of Subject	Marks +IA=	Total
B.A./B.Sc. Geography	1 st Sem	Physical Geography	80 +20	100
		Practical: Paper I Scales	40+10	50
B.A./B.Sc. Geography	2 nd Sem	Climatology and Oceanography	80+20	100
		Practical: Paper II Maps and Diagrams	40+10	50
B.A./B.Sc. Geography	III rd Sem	Regional Geography of Karnataka	80 +20	100
		Practical : Paper III introduction to Weather Maps and Instruments.	40+10	50
B.A./B.Sc. Geography	IV th Sem	Geography of India	80 +20	100
		Practical: Paper IV Interpretation of Topographical Maps	40 +10	50
B.A./B.Sc. Geography	V th Sem	Evolution of Geographical Thought	80+20	100
	V th Sem	Human and Economic Geography of the World	80+20	100
		Practical: Paper V Map Projections	40+10	50
		Practical : Paper VI Statistical Diagrams and Statistic	40+10	50
	VI th Sem	Environmental Geography	80 +20	100
		Agriculture and Rural Geography	80+20	100
		Practical : Paper VII Basic Computer Application and GIS		
	Practical: Paper VIII Field Study and Project Report	40+10	50	



Recommended Books.

1. Husain, M. (1996): Systematic Agricultural Geography, Rawat Publications, Jaipur.
2. Mishra, R. P. (1967): Diffusion of Agricultural Innovations, University of Mysore, Mysore.
3. Mohammad, A.(1978): Studies in Agricultural Geography, Rajesh Publications, New Delhi
4. Morgan, W. B. and Norton.
5. Mohammad Safi.(2006) Agriculture Geography.
6. L.T.Nayak : Vasati Bhogol Shastra

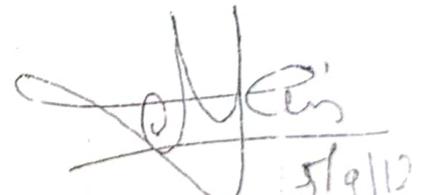
PRACTICAL PAPER VII: Computer Application And GIS

1. Basic of Computer Applications: Operation of M.S. Word M.S. Excel and Power Point.
2. Graphical Represent of data.
3. GIS; Importance, Components (Hardware, Software, Infrastructure, Brain ware).

PRACTICAL PAPER VIII: FIELD WORK AND PROJECT REPORT

Field Trip and Report Writing: The Problem is to be identified with the District; the field work has to conduct and prepare a report and to be submitted to the Department before the commencement of Practical Examination.




5/9/12
CHAIRMAN &
P.G. DEPT. OF GEOGRA
KARNATAKA UNIVERSITY
DHARWAD-580 003


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R.T.E. Society, Arts, Science &
Commerce Degree College, RANIBENUR



Ranebennur Taluka Education Society
Arts, Science & Commerce College Ranebennur

DEPT OF GEOGRAPHY

Project Report Submitted by B.A VI Semester
Students 2021 - 22

“Ranebennur city landscape analysis” A Geographical
studies

Guided by

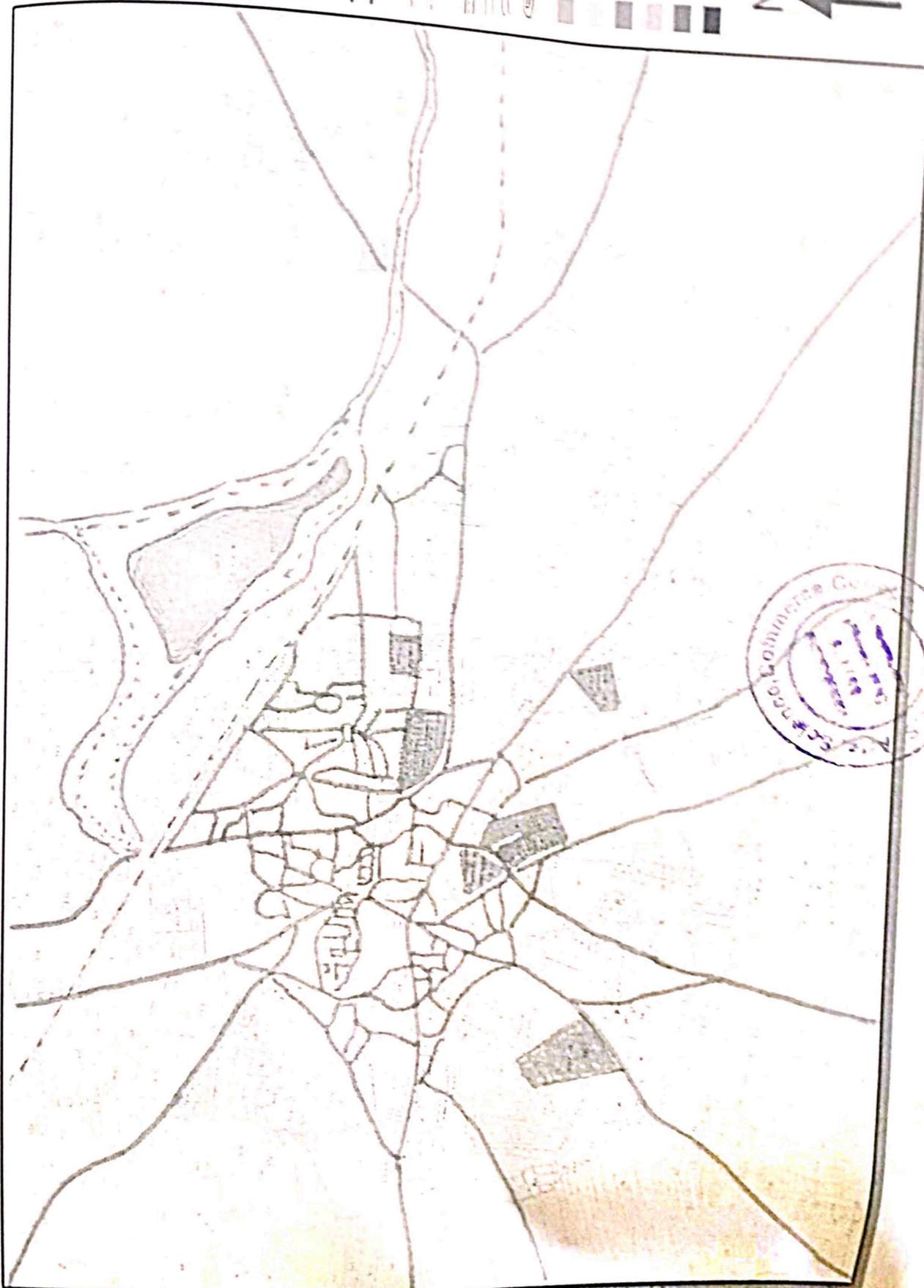
Prof. Megharaj S.K M.A.M phil
Associate Professor
R.T.E.S College
Ranebennur




PRINCIPAL
R.T.E. Society, Arts, Science &
Commerce Degree College, RANE BENNUR

PARKS & PLAYGROUNDS & RECREATIONS AREAS OF RRNR TOWN

OF RANE BEMNUR TOWN.



- INDEX**
- - - - R S Boundary
 - · - · Village Boundary
 - Municipal Boundary
 - Developed Area Boundary
 - · - · - · Conurbation Boundary
 - Railway Line
 - Roads
 - Hala
 - Water Tank
 - Public / Semipublic
 - Residential
 - Manufacturing
 - Commercial
 - Park/Playgrounds
 - Transport



Fig 4.7

45

KARNATAK UNIVERSITY, DHARWAD.

Examination Of - AUGUST 2022

College : 3212-R T E S'S ARTS, SCIENCE AND COMMERCE COLLEGE , RANEBENNUR.

Course : BA VI Semester

Subject : GEOGRAPHY

Sl.No	Register No	Student Name
1	19A24501	AKSHAYAKUMAR S PARWATER
2	19A24503	ANIL J HADOR
3	19A24505	ARUN C KENCHANAGOUDRA
4	19A24508	BHARAMAPPA S MUDDI
5	19A24509	BHARATH A KALAPPANAVAR
6	19A24511	DILEEPA M BEERALARA
7	19A24512	DUSHANBABU PINJAR
8	19A24513	FAKKEERAPPA N HARIJAN
9	19A24518	JEEVANKUMAR M BAGALAKOTI
10	19A24520	MALATESH ANTRAVALLI
11	19A24521	MALATESH ARALIKATTI
12	19A24525	MALESH L MANENAVAR
13	19A24529	MANJUNATHA S KANDEPANAVAR
14	19A24530	MANOHAR S MUDDER
15	19A24531	MOHAN RAMAPPA BANDIWADDAR
16	19A24533	NAGARAJA R KHANDEPPALAVARA
17	19A24534	NAVEENA D BANNIMATTI
18	19A24539	RAJEEV DILLENNANAVAR
19	19A24540	RAMANAGOUDA SHETTANAGOWDA
20	19A24541	RAMESHA JOGANAVARA
21	19A24543	RENUKASWAMY S MATHAD
22	19A24546	SANTOSH K HUCHCHCALAVAR
23	19A24547	SANTOSH P KAGININGANNAVAR
24	19A24549	SHEKHARAJ N HEBBAL
25	19A24550	SHIVANAGOUDA HOSAGOUDRA
26	19A24552	SHIVASHANKRAPPA KUSAGUR
27	19A24555	SHREEDHARA P MATTOORA
28	19A24557	SOMAPPA JAYAPPA HALAVAGALA
29	19A24558	SRIKANTH K MIRJI
30	19A24559	SUNEEL NAIK
31	19A24560	SURESH KATTI



KARNATAK UNIVERSITY,DHARWAD.

Examination Of - AUGUST 2022

College : 3212-R T E S 'S ARTS, SCIENCE AND COMMERCE COLLEGE , RANEBENNUR.

Course : BA VI Semester

Subject : GEOGRAPHY

Sl.No	Register No	Student Name
32	19A24561	TEJASKUMAR K K
33	19A24563	VENKATESH A O DATER
34	19A24565	VINAYAK YALAVATTI




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R.T.E. Society, Arts, Science &
Commerce College, RANEBENNUR

R.T.E.Society's
Arts, Science & Commerce Degree College, Ranbennur – 581 115

List of students who completed field work of academic year 2020-21

Field work /Project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	REETU H.M.	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
2	DEEPA K ONI	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
3	JYOTI ITAGI	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
4	JYOTI PATIL	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
5	MANOJ GOUDAR	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
6	NANDISH C AJAGANNANAVAR	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
7	POOJA BARKI	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
8	SHRIDHAR M WALMIKI	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
9	SHWETA M HURAGI	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
10	SIDDANAGOUDA P SOMANAGOUDRA	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
11	SOUNDARYA HALAGERI	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
12	SUSHMA A CHAVAPPANAVAR	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
13	SUSHMA V.H.	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
14	UMA HALAGERI	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report
15	VARSHA H KALAPPANAVAR	B.Sc. (Zoo)	Nutan Sagar	20-21	B.Sc.V Sem	Project report


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Commerce Degree College, RANBENNUR



R.T.E.Society's
Arts, Science & Commerce Degree College, Ranbennur – 581 115

List of students who completed field work of academic year 2020-21

Field work /Project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	DEEPA NADIGER	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
2	DEEPA K ONI	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
3	JYOTI ITAGI	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
4	JYOTI PATIL	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
5	MANOJ GOUDAR	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
6	NANDISH C AJAGANNANAVAR	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
7	POOJA BARKI	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
8	SHRIDHAR M WALMIKI	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
9	SHWETA M HURAGI	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
10	SIDDANAGOUDA P SOMANAGOUDRA	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
11	SOUNDARYA HALAGERI	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
12	SUSHMA A CHAVAPPANAVAR	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
13	SUSHMA V.H.	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
14	UMA HALAGERI	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report
15	VARSHA H KALAPPANAVAR	B.Sc. (Bot)	Prof.T.G.Mala mmanavar	20-21	B.Sc.V Sem	Study tour report / Project report

+

Principal
PRINCIPAL
R.T.E. Society's Arts, Science &
Commerce Degree College, RANBENNUR



R.T.E.Society's
Arts, Science & Commerce Degree College, Ranbennur – 581 115

List of students who completed field work of academic year 2020-21
Fieldwork /project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	CHANDRAPPA MAGOD	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
2	ABHILASH M BAVALLI	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
3	ABHISHEK S DODDAMANI	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
4	ANU HALLALLI	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
5	ASHOK H AMBALI	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
6	BHEEMANAGOUDA H K	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
7	CHIDANANDA BANAKAR	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
8	DODDANEELAPPA BILLANNANAVAR	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
9	HANUMANTHAPPA SOMLAPPA LAMANI	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
10	HANUMANTHAPPA D KAJJARI	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
11	HONNAPPA HUCHHAPPA KANAVALLI	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
12	KIRAN G MALAGI	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
13	MAHAMMEDKHALID B DODDAMANI	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
14	MALLIKARJUN B POOJAR	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report
15	MANTESHA BASAPPA AGADER	B.A(GEO)	Prof. Megharaj S K	2020-21	B.A.V Sem	Project report

RTE Society's Arts, Science &
Commerce Degree College, Ranbennur



Dept. of Zoology

SCHEME OF PRACTICAL EXAMINATION

1. Estimation	10
2. Identification-5	10
3. Project works report on ecology/wildlife biology	10
4. Viva connected with field work report	05
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Total	40

Shobha
PRINCIPAL
R.T.E. Society Arts Science &
Commerce Degree College, RANEBENUR



SCHEME OF PRACTICAL EXAMINATION:

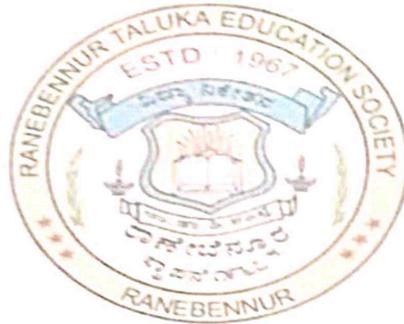
1.	Estimation	10
2.	Identification - 5	10
3.	Project work report on ecology/wildlife biology	10
4.	Viva connected with field work report	05
5.	Journal	05
Total		40




PRINCIPAL
R.T.E. Society, Arts, Science &
Commerce Degree College, RANIBEN, N.R.

R.T.E.S DEGREE COLLEGE

RANEENNUR



2020-21

PROJECT :-

“STUDY ON VERMICULTURE”

SUBMITTED TO

DEPARTMENT OF ZOOLOGY

GUIDE BY :-

NUTAN SAGAR

HEAD OF THE DEPARTMENT :-

B.K KATTE 

SUBMITTED BY :-

NAME :- Reetu, H.M

ROLL NO :- 18215420




17/03/21
PRINCIPAL
R.T.E. Society, Arts, Science &
Commerce Degree College, RANEENNUR

PROJECT WORK ON VERMICULTURE.

"IN R.T.E.S COLLEGE RANEBENNUR"

DIS:-HAVERI

-: R.T.E.S COLLEGE RANEBENNUR:-

"ZOOLOGY DEPARTMENT / STAFF"

Basavaraj Katenhalli :- [HOD].

Nutan Sagar :- [Project incharge].

Submitted by :-

BSc 5th sem (13th Batch students).

Year:- 2020-21 .

1. Riya .
2. Roopa B B .
3. Roja R K .
4. Sanjeev N C .
5. Sanjay.
6. Sahana S H
7. Sahana K G .
8. Ravikiran S S .
9. Reetu H M .
10. Saniya S k .



Vermiculture

Introduction:-

Vermiculture is the method of rearing earth worm's earthworms are commonly called nature's plough man or "farmer's friend" because of their burrowing nature and contribution toward's soil fertility In recent years they have been widely exploited for organic management and production of organic fertilizer's



Hence they are rightly called cindrella of organic farming they are indeed a boon to the environment

.....

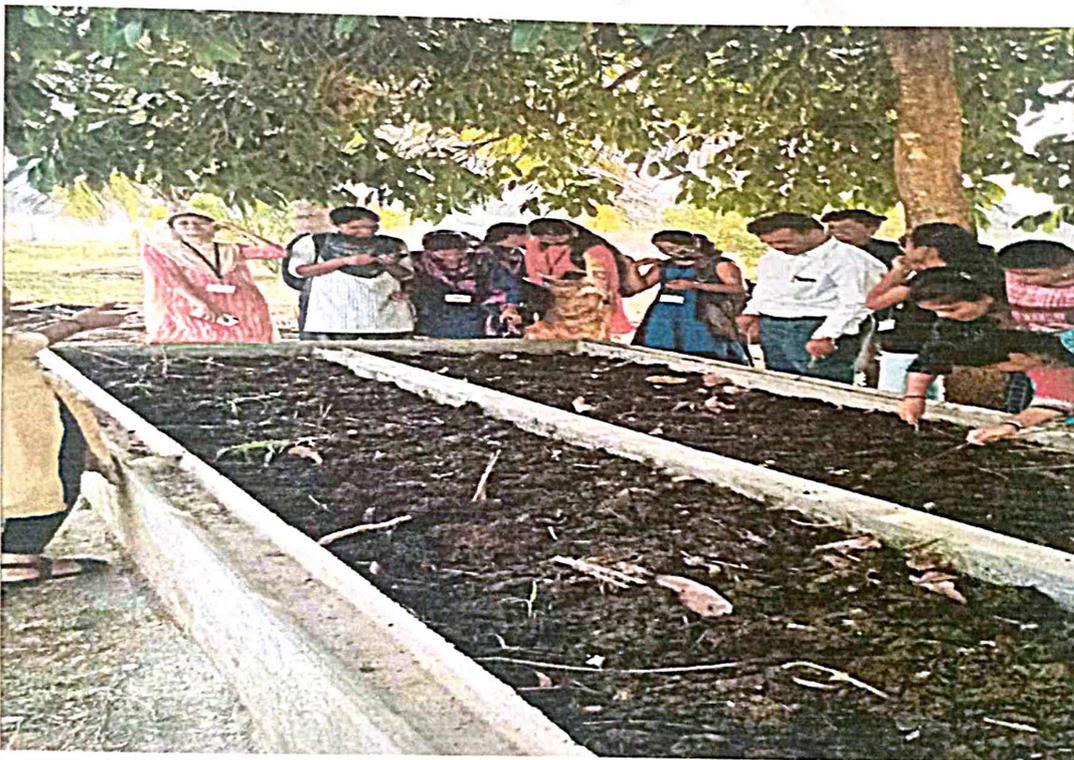


Definition :-

Vermiculture is defined as the scientific method of rearing and maintaining selected species of earthworms under controlled conditions

Procedure the method practiced for the mass multiplication of earthworms. We have studied about large scale or outdoor vermiculture

Eg:- pit culture Etc ...



Preparation of compost bedding:-



The site of compost bed preferably should be in an elevated area with shade. This prevents water stagnation in pits during rain's The pith should not be more then 3 in height and 3 width while the length could be of any extent

The compost bed should be prepared in the following manner:-

First layer of broken bricks has to be placed as a basal layer over this a layer of sand to a thickness of at least 6.5 to 7.5 has to placed to ensure proper drainage

Above this a layer of lomy soil soil should be spread up to 15 to 16 CM the layers then moisted



- The entire unit has to be kept moist by watering by the end of the month juvenile earthworms will be noticed
- After a month organic wastes available from local resources like kitchen waste, waste from canteen and restaurants market yard agro wastes etc should be spread twice a week over the bedding the spread should be not exceed 5m in thickness of each application
- The optimum temperature required is 25-35°C
- The worms feed on the organic matter in their digestive system get mixed with the intestinal contents .the digested matter gets absorbed while the undigested material passed out as mud pellets called worm casts. The worm cast thus formed from the vermicompost



Collection of earthworm:-



The Earthworm are generally spotted in garden soil in shady spots. If an handful of fresh cowdung is buried in the selected area's



The role of earth worm in soil fertility:-

- Earth worms are the part of the agriculture system and farmers used their waste to their advantage
- Their vital role in maintaining soil fertility and efficient nutrient and recycling was also well known
- Among the macro invertebrates the role of earth worms in improving the physical as well as the chemical composition of soil
- They alter the nature of the soil through their burrowing habit as well as digestive and excretory processes that's why the earthworm is called " The farmers friend "

Alters the soil porosity:-

- The earthworms through their burrowing habit literally plough the land. They make vertical as well as horizontal burrows
- Thus the soil becomes highly porous. This in turn is responsible for the accumulation and circulation of water and gases in soil
- It has been reported that soil with earthworms show an increase in soil-air volume for 8% to 30% which improve soil aeration. This in turn improves the infiltration and water holding capacity of the soil

Improves soil composition:-

- Large quantities of soil is ingested along with organic content. This passed through their digestive system gets mixed with the intestinal contents.
- The undigested material is eliminated out as vermicast.
- The vermicast is finely ground soil rich in organic matter and contains around 2.9% of nitrates 3% of phosphate 1.5% of potassium traces of manganese calcium etc. thus it improves the porosity fertility and quality of soil.



Favours nitrification and stimulates microbial activity:-

- The earthworms stimulate microbial activity in soil .when they feed on the soil, it is subjected to maceration and intestinal content treatment. This alters the physical as well as the chemical composition of the soil. Physically the soil is finely ground in the gut of earthworm. This increases the surface area of soil particles and promotes bacterial activity for further decomposition and soil forming process.
- Chemically the in intestinal contents as well as the metabolic wastes of earthworm are returned to the soil through casts, urine, mucoproteins and dead tissues. These are very rich in protein contents and on decomposition they yield nitrates into in to the soil. Since earthworms also increase bacterial population and soil aeration. The process of nitrification is accelerated by microbes. The enzymes cellulose present enhances nitrogen fixation in the soil.

.....



Vermicompost:-

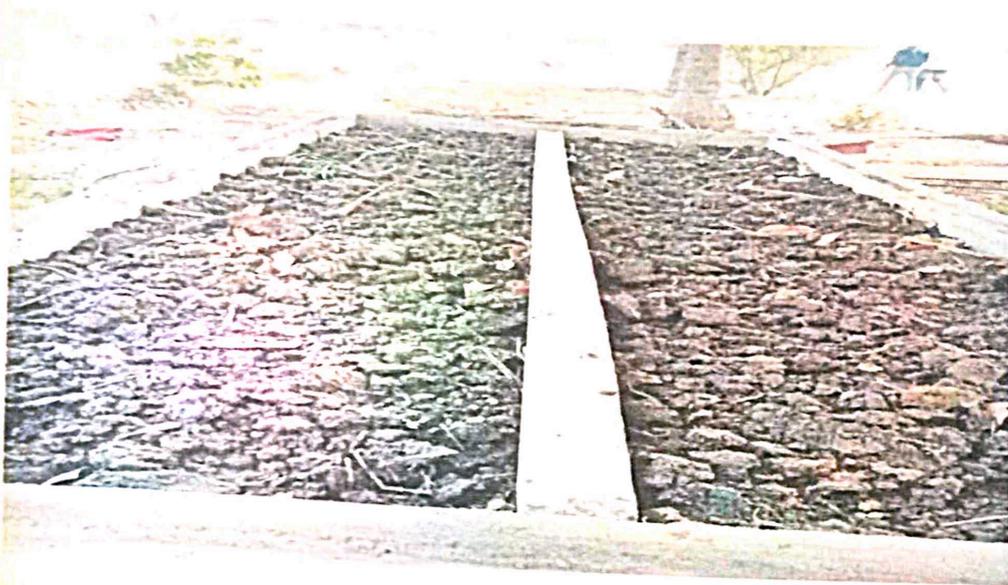
Vermicompost is the faecal matter released by the earth worm in the form of worm casting. It is in the form of a soft spongy dark brown or black coloured substance commonly called the black gold of organic farming.



.....



Vermicompost:-



Vermiculture and vermicomposting are two inter related and inter dependent process one leading to the other

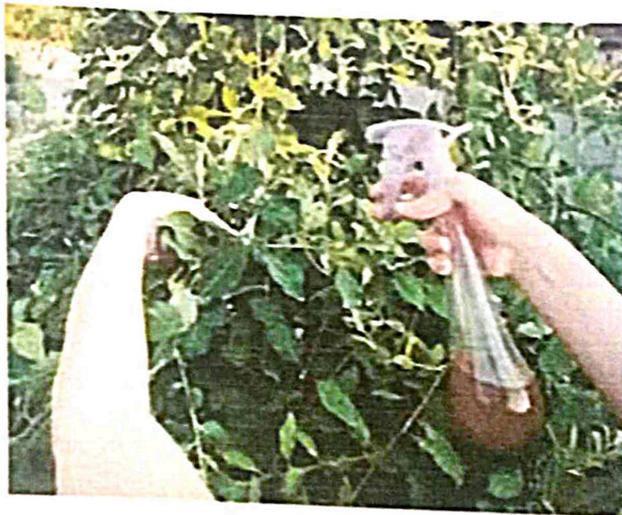
Vermicompost is defined as the physically chemically and biologically degraded organic substances produced by the action of earth worms

The scientific method of using earth worms for composting is known as vermicomposting



Vermiwash as fertilizer :-

- vermiwash is a pale yellow coloured , transparent coelomic fluid obtained from earthworms.
- It contains micronutrients from the soil along with the mucus secretion and excretory materials of the worms.
- It is believed to contain antibiotic and anti viral property .it is generally used as fertilizer in aquatic productivity.
- A little awareness of vermiculture could help a farmer to multiply the local variety of earthworm in his own field. These worms in turn field into fertilizer unit.



Harvesting:-

Harvesting is the process of collecting the vermicompost when the vermicompost is ready for use. The top layer appears brownish in colour with granular appearance.

Importance of vermitechnology:-

- Vermitechnology is an efficient method for the stabilization of organic soil and sewage sludge waste.
- It helps to recover organic material and return it back to the soil.
- It provides bio compost .
- Biocompost is free from heavy metals and toxic compounds .hence it guarantees for soil fertility .
- The earthworms have the capacity to absorb heavy metals like Fe, Cd, Cr, and Pb, into their body tissue , making the soil userfriendly.
- Vermicompost is an eco-friendly natural fertilizer prepared from biodegradable organic wastes and is free from chemical inputs.
- Vermicomposting has no adverse effect on soil, plants and environment.
- It promotes better root growth and nutrient absorption.
- It improves both the macro and micro nutrients status of soil.
- Vermicompost improves the physical, chemical and biological properties of the soil

Conclusion:-

vermitechnology is an efficient method for the stabilisation of organic solid and sewage sludge wastes.

Vermicompost is an eco friendly natural fertiliser prepared from biodegradable organic wastes and is free from chemical imports.

Vermicomposting helps to convert rural and urban bio wastes into nutrient rich organic manures.

Less skill is required.

It maintains soil health and improves water retention capacity of soil, because of high organic matter content.


PRINCIPAL
R.T.E. Society, Arts, Science &
Commerce Degree College, RANEBENNUR



Department of Zoology

Students enrolled for Project work for the year 2020-21

Sl.No	Name of the students	Class
1	REETU H M	B.Sc.V Sem
2	DEEPA K ONI	B.Sc.V Sem
3	JYOTI ITAGI	B.Sc.V Sem
4	JYOTI PATIL	B.Sc.V Sem
5	MANOJ GOUDAR	B.Sc.V Sem
6	NANDISH C AJAGANNANAVAR	B.Sc.V Sem
7	POOJA BARKI	B.Sc.V Sem
8	SHRIDHAR M WALMIKI	B.Sc.V Sem
9	SHWETA M HURAGI	B.Sc.V Sem
10	SIDDANAGOUDA P SOMANAGOUDRA	B.Sc.V Sem
11	SOUNDARYA HALAGERI	B.Sc.V Sem
12	SUSHMA A CHAVAPPANAVAR	B.Sc.V Sem
13	SUSHMA V.H.	B.Sc.V Sem
14	UMA HALAGERI	B.Sc.V Sem
15	VARSHA H KALAPPANAVAR	B.Sc.V Sem


Head of the Department
of Zoology
R.T.E.S. Arts, Science &
Commerce College
RANEBENNUR-581115




PRINCIPAL
R.T.E. Society's Arts, Science &
Commerce Degree College, RANEBENNUR

DEPT. of Botany.

Scheme of Practical Examination (distribution of marks): 25 marks for the Semester end examination

1. Identify, classify and write the salient features observed of specimen A, B, C **6 Marks**
2. Perform simple/Gram staining using material 'D'. Show the preparation to the examiners **4 Marks**
3. Identification of the disease and explain symptoms observed in specimen E and F **4 Marks**
4. Identify and describe the features observed in the slides/specimen G, and H **4 Marks**
5. Study Tour Report **2 Marks**
6. Viva voce **2 Marks**
7. Journal **3 Marks**

Total 25 marks

Note: Same Scheme may be used for IA (Formative Assessment) examination

Books recommended.

1. Ashok Bendre and Ashok Kumar (2009) A textbook of practical botany. Rostakge Publications.
2. Sharma, O.P., and Sharma, K. D. (2017) Practical Botany-I. Pragathi Prakashan, Meerut.
3. Raghuram, M, and Rao, M. V. (2018) B. Sc. Practical Book of Botany First Year. Technical Publishers.
4. Verghese, N., Joy, P.P. Microbiology Laboratory Manual, Kerala Agricultural University.




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R.T.E. Society, Arts, Science &
Commerce Degree College, RAMESWARAM

General instructions:

- Q1. Give specimen from Algae, Bryophytes, Pteridophytes, and Gymnosperms (A, B, C, and D)
- Q2. Preparation and analysis of material Algae/Bryophytes/Pteridophytes/ Gymnosperms (E and F)
- Q3. Specimen or Slides from Algae/Bryophytes/Pteridophytes/Gymnosperms (H, I, and J)
- Q4. Study Tour Report
- Q5. Viva
- Q6. Journal

Scheme of Practical Examination (distribution of marks): 25 marks for the Semester end examination

1. Identify, classify and describe features observed in specimen 8 Marks
2. Describe the internal structures of the given specimen 4 Marks
3. Identification of Specimen slides 6 Marks
4. Study Tour Report 2 Marks
5. Viva 2 Marks
6. Journal 3 Marks

Total 25 marks

Note: Same Scheme may be used for IA (Formative Assessment) examination

Books recommended.

1. Ashok Bendre and Ashok Kumar (2009) A textbook of practical botany, Rastakge Publications.
2. Sharma, O.P., and Sharma, K. D. (2017) Practical Botany-I, Pragathi Prakashan, Meerut.
3. Raghuram, M, and Rao, M. V. (2018) B. Sc. Practical Book of Botany First Year, Technical Publishers.
4. Verghese, N., Joy, P.P. Microbiology Laboratory Manual, Kerala Agricultural University.



[Signature]
PRINCIPAL
R.T.E. Society, Arts, Science &
Commerce Degree College, BAMESHINUR

BOTANY
PROJECT WORK

2020-21

Guided by,

Miss. Chudamani

HOD Botany

Submitted by-

SHRIDHAR

Shanwaz

Maltesh

Tilkesh

Rakesh

e. chudamani
Head of the Department
of Botany
R.T.E.S. Arts Science &
Commerce College
RANEBENNUR-581115.



[Signature]
PRINCIPAL
R.T.E. Society, Arts, Science &
Commerce Degree College, RANEBENNUR



(Our Group In Counting Trees Of Our Campus)

Shridhar G K	16s14400
Shanwazkhan	16s14393
Maltesh malagi	16s14348
Tilkesh malagi	16s14409
Rakesh c sali	16s12380

THANKING YOU



R.T.E.Society's
Arts, Science & Commerce Degree College, Ranebennur – 581 115

Department of Botany

Students enrolled for Project work for the year 2020-21

Sl.No	Name of the students	Class
1	DEEPA NADIGER	B.Sc.V Sem
2	DEEPA K ONI	B.Sc.V Sem
3	JYOTI ITAGI	B.Sc.V Sem
4	JYOTI PATIL	B.Sc.V Sem
5	MANOJ GOUDAR	B.Sc.V Sem
6	NANDISH C AJAGANNANAVAR	B.Sc.V Sem
7	POOJA BARKI	B.Sc.V Sem
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15	VARSHA H KALAPPANAVAR	B.Sc.V Sem


Head of the Department
of Botany
R.T.E.S. Arts Science &
Commerce College
RANEENNUR-581115




PRINCIPAL
R.T.E. Society, Arts, Science &
Commerce Degree College, RANEENNUR

Geography - 2013-14

KARNATAK UNIVERSITY, DHARWAD

Ref. No. No. KU/(Aca(S&T))/(MSP-015)/Geography/UG/PG/2013-14/ 807

Date: 11

NOTIFICATION

Sub: Revision of Geography syllabus for UG course from the academic year 2013-14 & onwards reg.

- Ref:** 1) BOS in Geography (UG/PG) Res. No. 04, dt; 14.09.2012.
2) Science Faculty, Res.No.06 dt: 11.03.2013.
3) Academic Council Res.No.30 dt: 25-03-2013.
4) Hon'ble Vice-Chancellors order dt: 04.05-2013.

Adverting to the above, it is hereby informed to the Principals of all the constituent and affiliated Arts and Science Degree Colleges that the revised syllabus in Geography syllabus for UG course with effect from the academic year 2013-14 and onwards. The revised syllabus is enclosed herewith.

Hence, the contents of this notification may please be brought to the notice of the students and all concerned.

The concerned syllabus may be obtained through the Karnatak University, Web Site: www.kud.ac.in.

REGISTRAR 315/13

To,

1. The Chairman, BOS in Geography (UG & PG) P.G. Department of Studies in Geography, K.U.Dharwad.
2. Principals of all the constituent and affiliated Arts and Science Degree Colleges coming under the Jurisdiction of Karnatak University, Dharwad.

Copy F.W.cs to;

1. Dr.S.A.Patil, Dean Faculty of Science & Technology, PG. Dept. of Studies in Chemistry, K.U., Dharwad.
2. The Registrar (Evaluation), K.U. Dharwad.
3. The Chairman, PG. Dept. of Studies in Geography, K.U., Dharwad.
4. Dr. R.M. Vataal, J/c. IT Director, Internet Section, Examination Section, K.U. Dharwad for information and with a request to put the said notification and its enclosures in the University website: www.kud.ac.in

Copy to:

1. P.S. to Vice Chancellor, K.U. Dharwad
2. S.A. to Registrar, K.U. Dharwad
3. S.A. to Registrar (Evaluation), K.U. Dharwad
4. O.S. Academic (PG/Crt) Section, K.U. Dharwad
5. O.S. Exam (Arts Faculty) Section, K.U. Dharwad
6. O.S. Exam (Science Faculty) Section, K.U. Dharwad
7. O.S. Exam (PG), Section, K.U. Dharwad
8. O.S. Exam (Conf) Section, K.U. Dharwad
9. O.S. Exam (QP) Section, K.U. Dharwad
10. O.S. Exam (GAD/Time Table) Section, K.U. Dharwad



90,
Library,
315/13

3. Each theory course will have a question paper of '3' hours duration and the maximum mark of '80'

4. Each theory question paper will have '5' questions, each carrying '16' marks ('8+8' marks). Each question has a choice of attempting either 'A' or 'B' fully.

Practical Examination: 1. Each practical course will have an examination of '4' hours duration with maximum marks of '50' of which '40' marks are allotted for the practical examination and '10' marks for internal assessment by conducting an examination in practical taught up to that period.

2. The practical examination is to be conducted in batches with not more than '15' candidates per batch.

3. There will be one internal examiner one external examiner to conduct the practical examination for each batch.

4. Scientific calculators and mobile phones are not allowed in the examination

5. Minimum marks to pass in each paper both theory and a practical is 40%

6. Each candidate shall complete the laboratory course prescribed by the University entering all the experiments/exercises in the Laboratory Journal which shall be produced at the time of practical examination along with a certificate signed both by the course teacher and the Head of the Department of Geography of the concerned college to the effect that he/she has completed the prescribed course in a satisfactory manner.

Name of Papers in B.A./B.Sc. Geography

	Semester	Name of Subject	Marks +IA=	Total
B.A./B.Sc. Geography	1 st Sem	Physical Geography	80 +20	100
		Practical: Paper I Scales	40+10	50
B.A./B.Sc. Geography	2 nd Sem	Climatology and Oceanography	80+20	100
		Practical: Paper II Maps and Diagrams	40+10	50
B.A./B.Sc. Geography	III rd Sem	Regional Geography of Karnataka	80 +20	100
		Practical : Paper III introduction to Weather Maps and Instruments.	40+10	50
B.A./B.Sc. Geography	IV th Sem	Geography of India	80 +20	100
		Practical: Paper IV Interpretation of Topographical Maps	40 +10	50
B.A./B.Sc. Geography	V th Sem	Evolution of Geographical Thought	80+20	100
	V th Sem	Human and Economic Geography of the World	80+20	100
		Practical: Paper V Map Projections	40+10	50
		Practical : Paper VI Statistical Diagrams and Statistic	40+10	50
	VI th Sem	Environmental Geography	80 +20	100
		Agriculture and Rural Geography	80+20	100
		Practical : Paper VII Basic Computer Application and GIS		
	Practical: Paper VIII Field Study and Project Report	40+10	50	



Recommended Books.

1. Husain, M. (1996): Systematic Agricultural Geography, Rawat Publications, Jaipur.
2. Mishra, R. P. (1967): Diffusion of Agricultural Innovations, University of Mysore, Mysore.
3. Mohammad, A.(1978): Studies in Agricultural Geography, Rajesh Publications, New Delhi
4. Morgan, W. B. and Norton.
5. Mohammad Safi.(2006) Agriculture Geography.
6. L.T.Nayak : Vasati Bhogol.Shastra

PRACTICAL PAPER VII: Computer Application And GIS

1. Basic of Computer Applications: Operation of M.S. Word M.S. Excel and Power Point.
2. Graphical Represent of data.
3. GIS; Importance, Components (Hardware, Software, Infrastructure, Brain ware).

PRACTICAL PAPER VIII: FIELD WORK AND PROJECT REPORT

Field Trip and Report Writing: The Problem is to be identified with the District; the field work has to conduct and prepare a report and to be submitted to the Department before the commencement of Practical Examination.




5/9/12
CHAIRMAN &
P.G. DEPT. OF GEOGRA
KARNATAK UNIVERSITY
DHARWAD-580 003


PRINCIPAL
R.T.E. Society, Science & Commerce Degree College, RANIBENUR



Ranebennur Taluka Education Society
Arts, Science & Commerce College Ranebennur

DEPT OF GEOGRAPHY

Project Report Submitted by B.A VI Semester
Students 2020 - 21

**Socio - Economic Status of Haveri District
A Geographical Analysis**

Guided by

Prof. Megharaj S.K M.A.M.Phil
Associate Professor
R.T.E.S College
Ranebennur




PRINCIPAL
R.T.E. Society, Arts, Science &
Commerce Degree College, RANEBENNUR



ರಾ.ತಾ.ಶಿ.ಸಂಸ್ಥೆಯ ಕಲಾ ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ
ಮಹಾವಿದ್ಯಾಲಯ, ರಾಣೇಬೆನ್ನೂರು

ಭೂಗೋಳಶಾಸ್ತ್ರ ವಿಭಾಗ

ಪ್ರಮಾಣ ಪತ್ರ

ಈ ಮೂಲಕ ಪ್ರಮಾಣೀಕರಿಸುವುದೇನೆಂದರೆ ಬಿ.ಎ.6 ನೇ ಸೆಮಿಸ್ಟರ್ ವಿದ್ಯಾರ್ಥಿಗಳು 2020-21 ನೇ ಸಾಲಿನ ಯೋಜನಾ ಕಾರ್ಯಕ್ಕಾಗಿ ಕೈಗೊಂಡ ಕ್ಷೇತ್ರ ಕಾರ್ಯವನ್ನು ಯಶಸ್ವಿಯಾಗಿ ನಿರ್ವಹಿಸಿ "ಹಾವೇರಿ ಜಿಲ್ಲೆಯ ಸಾಮಾಜಿಕ ಮತ್ತು ಆರ್ಥಿಕ ಚಟುವಟಿಕೆಗಳ ಒಂದು ಭೌಗೋಳಿಕ ವಿಶ್ಲೇಷಣೆ" ಎಂಬ ವಿಷಯದ ಕುರಿತು ಯೋಜನಾ ಕಾರ್ಯವನ್ನು ತೃಪ್ತಿಕರವಾಗಿ ವರದಿಯನ್ನು ಸಿದ್ಧಪಡಿಸಿ ಪೂರ್ಣಗೊಳಿಸಿದ್ದಾರೆ ಎಂದು ಪ್ರಮಾಣೀಕರಿಸುತ್ತೇನೆ.



ಮುಖ್ಯಸ್ಥರು

ಪ್ರೊ. ಆರ್.ಎಸ್. ನಾಯ್ಕ .M.A.
ಸಹ ಪ್ರಾಧ್ಯಾಪಕರು, ಭೂಗೋಳ ಶಾಸ್ತ್ರ ವಿಭಾಗ
ಆರ್.ಟಿ.ಇ.ಎಸ್. ಮಹಾವಿದ್ಯಾಲಯ

ರಾಣೇಬೆನ್ನೂರು

H.O.D.
Department of Geography

ಮಾರ್ಗದರ್ಶಕರು

ಪ್ರೊ. ಮೇಘರಾಜ ಎಸ್.ಕೆ M.A.M.phil
ಸಹ ಪ್ರಾಧ್ಯಾಪಕರು, ಭೂಗೋಳಶಾಸ್ತ್ರ ವಿಭಾಗ
ಆರ್.ಟಿ.ಇ.ಎಸ್. ಮಹಾವಿದ್ಯಾಲಯ

ರಾಣೇಬೆನ್ನೂರು

PRINCIPAL

R.T.E. Society's Arts Science &
Commerce College, RANEBENNUR

ರಾ.ತಾ.ಶಿ.ಸಂಸ್ಥೆಯ ಕಲಾ ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ
ಮಹಾವಿದ್ಯಾಲಯ, ರಾಣೀಬೆನ್ನೂರು

ಭೂಗೋಳಶಾಸ್ತ್ರ ವಿಭಾಗ

ಪ್ರಶ್ನೆಗಳಿ

- 1) ರೈತರ ಪೂರ್ಣ ಹೆಸರು :
2) ಕುಟುಂಬದ ಸದಸ್ಯರು : ಗಂಡು_____ಹೆಣ್ಣು_____
3) ಉದ್ಯೋಗ :
4) ಕೃಷಿ ಭೂಮಿ : 1) ಋಷಿ 2) ನೀರಾವರಿ
5) ಮಣ್ಣಿನ ವಿಧ :
6) ಪ್ರಮುಖ ಬೆಳೆಗಳು : 1. 2. 3. 4. 5.
1) ಬಿತ್ತನೆಯಾದ ಕ್ಷೇತ್ರ : _____
2) ಉತ್ಪಾದನೆ (ಕ್ವಿಂಟಲ್) : _____
7) ಕೃಷಿಯೇತರ ಉದ್ಯೋಗ : _____
8) ವಾರ್ಷಿಕ ಆದಾಯ : _____



KARNATAK UNIVERSITY, DHARWAD.
3212.R T E S'S ARTS, SCIENCE AND COMMERCE COLLEGE , RANEBENNUR.

Examination Of AUGUST-21

Course : BA VI Semester

Subject : F61 -(Pr) GEOGRAPHY

Sl No	Register No	Name
1	17A21812	CHANDRAPP MAGOD
2	18A22901	ABHILASH M BAVALLI
3	18A22902	ABHISHEK S DODDAMANI
4	18A22905	ANU K HALLALLI
5	18A22906	ASHOK H AMBALI
6	18A22911	BHEEMANAGOUDA H K
7	18A22912	CHIDANANDA BANAKAR
8	18A22913	DODDANEELAPPA BILLANNANAVAR
9	18A22919	HANUMANTAPPA SOMLAPPA LAMANI
10	18A22920	HANUMANTHAPPA D KAJJARI
11	18A22921	HONNAPPA HUCHHAPPA KANAVALLI
12	18A22925	KIRAN G MALAGI
13	18A22932	MAHAMMEDKHALID B DODDAMANI
14	18A22935	MALLIKARJUN B POOJAR
15	18A22939	MANTESHA BASAPPA AGADER
16	18A22940	MARUTI SHIVAPPA LAMANI
17	18A22941	NAGANAGOUDA R PATIL
18	18A22942	NAGARAJ GUDDAPPA AGADER
19	18A22944	NAGARAJ S NIMBANNANAVAR
20	18A22945	NAGARAJA HALAVAGALA
21	18A22946	NINGARAJ SAMSHI
22	18A22949	PRAVEENKUMAR DYAMAPPA DODDAMANI
23	18A22950	RAHIMANSAB B KALSHEKHAR
24	18A22951	RAJU BASAPPA GONEPPANAVAR
25	18A22952	RANJITHA M RANGAMMANAVAR
26	18A22960	SOMALINGAPPA HALAVAGALA




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3212: R T E S'S ARTS, SCIENCE AND COMMERCE COLLEGE, RANEBENNUR.

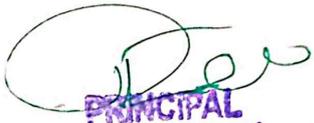
Examination Of AUGUST-21

Course : BA VI Semester

Subject : F61 -(Pr): GEOGRAPHY

Sl No	Register No	Name
27	18A22961	SOMAPPA HALAVAGALA
28	18A22962	SUDARSHAN AIRANI
29	18A22963	SUMA K KORACHAR




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List of students who completed field work of academic year 2019-20

Field work /Project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	LAMBANI CHAITRA	B.Sc.(Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report Project report
2	RANJITA R CHAVAN	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
3	DEEPA C PATIL	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
4	DEEPA N.B.	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
5	PRIYANKA A KITTUR	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
6	PRITHVI B KAMMAR	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
7	ANUSHA N BARKI	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
8	CHAITRA PATIL	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
9	CHETANA KUNABEVU	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
10	DEEPA V BANAKAR	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
11	GIRISH KOLLI	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
12	GOURI G	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
13	KAVYA MEGUNDE	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
14	KIRIAN K.S.	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report
15	LAVANYA BYADAGI	B.Sc. (Bot)	Prof.Smt.C. Choodamani	19-20	B.Sc.V Sem	Study tour report / Project report

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List of students who completed field work of academic year 2019-20
Field work /Project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	TEJASHWINI M HAVANUR	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
2	RANJITA R CHAVAN	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
3	DEEPA C PATIL	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
4	DEEPA N.B.	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
5	PRIYANKA A KITTUR	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
6	PRITHVI B KAMMAR	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
7	ANUSHA N BARKI	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
8	CHAITRA PATIL	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
9	CHETANA KUNABEVU	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
10	DEEPA V BANAKAR	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
11	GIRISH KOLLI	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
12	GOURI G	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
13	KAVYA MEGUNDE	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
14	KIRIAN K.S.	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report
15	LAVANYA BYADAGI	B.Sc. (Zoo)	Chetana Melageri	19-20	B.Sc.V Sem	Project report

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List of students who completed field work of academic year 2019-20
Fieldwork /project work conducted

Sl no	Name of the student	Course	Reporting to	Batch	Semester	Work
1	SHIVANAGOUDA M BHARAMAGOUDRA	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
2	ADARSH CHINCHAPPANAVR	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
3	BEERESH NAYAK	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
4	BHEMAPPA NAIK	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
5	CHAITRA S CHALAVADI	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
6	CHANDRAPPA MAGOD	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
7	CHANNABASAVA HONNAJI	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
8	CHENNAYYA S AJJEVADIMATH	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
9	GANESH I BALAJI	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
10	JAYANNA ANGADI	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
11	MANTESH CHALAVADI	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
12	NAGARAJ F MADAR	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
13	NAVEEN KARIGAR	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
14	NAVEEN N KACHACHARABI	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report



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15	PRAVEENKUMAR M DODDAMARIYAMMANAVAR	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
16	RAMESH NAYAKA	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
17	RAVI M HYARADA	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
18	SACHIN CHALAVADI	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
19	SHAHI AHMED MASUR	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report
20	VISHWANATHA MADENAHALLI	B.A(GEO)	Prof. R.S Naik	2019-20	B.A.V Sem	Project report



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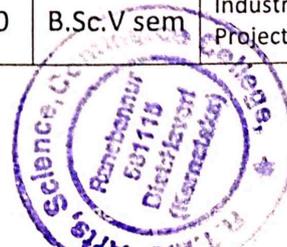
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List of students who completed field work of academic year 2019-20

Fieldwork /project work conducted

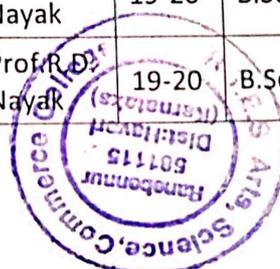
Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	ABHILASH KARABASALLAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
2	AISHWARYA MUDIKARIYAPPANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
3	AISHWARYA M SANNAGOUDRA	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
4	AKSHATHA M BANAKAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
5	APOORVA P KUNDAPUR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
6	ARPITHA G.T.	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
7	ARUNA B CHANNAGOUDRA	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
8	ASHWINI B HAUNSBHAVI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
9	AVINASH SHIDLANNANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
10	BALARAM A CHOUTAGI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
11	BASAVARAJ GURUBASAPPANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
12	BEERESH PUJAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
13	BEERESH SANNAKENCHALAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
14	BENNIHALLI NETRAVATHI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
15	BHEEMAPPA HULYAL	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
16	BHUVANESHWARI G POOJAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
17	BINDU C.K.	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work

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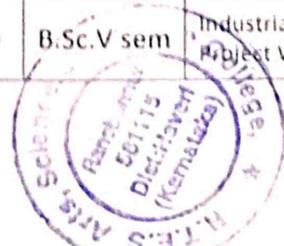
18	CHAITRA CHANNAVEERAPPA HADIMANI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
19	CHAMPAKALI GONNI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
20	CHANANKUMAR KOGALI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
21	CHANDRAPPA JAYAPPA TAVARAGONDI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
22	CHANDRASHEKHAR NAYAK	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
23	CHETAN KUMAR N.M.	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
24	DEEPA KUNCHURAKAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
25	DEEPA NADIGER	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
26	DEEPA R KONI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
27	DEVENDRAPPA SAVAKKANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
28	DEVIKA V KAREGOUDRA	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
29	GAYITRA DEVARADDI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
30	GEETA PACHCHER	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
31	GEETRHA A SANNABOMMAJI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
32	HALESH M DOGGALLI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
33	HARSHITA HOSAMANI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
34	ISMAILZABIULLA J JAMKHANI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
35	JYOTHI B ITAGI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
36	JYOTHI PATIL	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
37	KAVYA K ANGADAKI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
38	KAVYA S DODDAMANI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work

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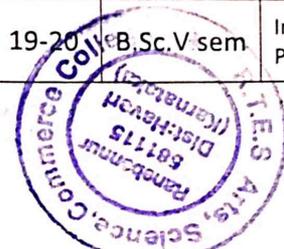
39	KEERTHI S HALLEMMANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
40	KENCHAMMA ANANDI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
41	KIRANA KJ MALIYAPPANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
42	KAMAL N YALIGAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
43	LAKSHMI R.A.	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
44	LAVANYA HONGAL	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
45	LAXMAN M.K.	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
46	MADHU R KUMBAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
47	MADHU S HOOLIHALLI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
48	MALATESH A GUBBI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
49	MALATESH JANGALI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
50	MALLIKARJUNA I BUDAPPANAHALLI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
51	MANJUNATH AMBALER	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
52	MANJUNATH KANAGOTAGI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
53	MANJUNATH MADIWALAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
54	MANJUNATH CHIKKAQNNANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
55	MANOHAR JYOTI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
56	MANOJ GOUDAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
57	MANOJ NAYAKA	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
58	MARUTI H BAGLAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
59	MEGHA S ANGADI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work

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60	NANDISH C AJAGANNANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
61	NAYANA BHOVI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
62	NEELAMMA M GOULER	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
63	NETRA M GADDAD	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
64	NETRA NAGAVVANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
65	NIHABANU A BAGWALE	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
66	NIKHITHA D REVANKAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
67	NIVEDITA H NAYAK	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
68	NIVEDITA I MALENAHALLI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
69	PALLAVI M DESHAGATTI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
70	PAVANKUMAR K.S.	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
71	POOJA S BARKI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
72	PRATIBHA B TAHASHILDAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
73	PREETI U KACHCHARABI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
74	PYARIJAN NASHIPUDI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
75	R. POOJA	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
76	RADHIKA N LAMANI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
77	RAMESH HOLIYAPPANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
78	RANGARADDI BANAKAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
79	REKHA B MUDAKAMMANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
80	ROOPA M.M.	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work

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81	RUKHAIYABANU N SOUDAGAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
82	RUKSAR SADIYA A PATHAN	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
83	SACHIN KUNCHARKAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
84	SAHANA B HOSALLI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
85	SAHANA KONANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
86	SALMA S BANNIKOPPA	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
87	SANDEEP N NEELAPPANAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
88	SANDESH V CHALAGERI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
89	SANGEETA ANGADI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
90	SANTOSH C.D.	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
91	SAVITA KURANDWAD	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
92	SAVITA S KELAGINAMANI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
93	SHARATH H PUJAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
94	SHAZIYA HASAN RANGAWALE	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
95	SHIDDESH M BUDIHALLA	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
96	SHIVALEELA B BUDAPANAHALLI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
97	SHIVARAJ PALED	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
98	SHREEDHAR MEENAKATTI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
99	SHREYA MOGINAVAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
100	SHRIDHAR M WALMIKI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
101	SHWETA GOVINDARADDER	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work

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R.T.E. Society Arts, Science &
Commerce Degree College, RANEENHUR



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report /
/

123	VINUTHA R PALANAKAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
124	YALLAVVA M ELIGAR	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
125	YOGITA BENDALAGATTI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
126	YUVARAJ B KODIHALLI	B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work
127		B.Sc. (Chem)	Prof.R.D. Nayak	19-20	B.Sc.V sem	Industrial Tour Report / Project Work


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DEPT. of Botany.

Scheme of Practical Examination (distribution of marks): 25 marks for the Semester end examination

1. Identify, classify and write the salient features observed of specimen A, B, C **6 Marks**
2. Perform simple Gram staining using material 'D'. Show the preparation to the examiners **4 Marks**
3. Identification of the disease and explain symptoms observed in specimen E and F **4 Marks**
4. Identify and describe the features observed in the slides/specimen G, and H **4 Marks**
5. Study Tour Report **2 Marks**
6. Viva voce **2 Marks**
7. Journal **3 Marks**

Total 25 marks

Note: Same Scheme may be used for IA (Formative Assessment) examination

Books recommended.

1. Ashok Bendre and Ashok Kumar (2009) A textbook of practical botany. Rostakge Publications.
2. Sharma, O.P., and Sharma, K. D. (2017) Practical Botany-I. Pragathi Prakashan, Meerut.
3. Raghuram, M, and Rao, M. V. (2018) B. Sc. Practical Book of Botany First Year. Technical Publishers.
4. Verghese, N., Joy, P.P. Microbiology Laboratory Manual, Kerala Agricultural University.




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General instructions:

- Q1. Give specimen from Algae, Bryophytes, Pteridophytes, and Gymnosperms (A, B, C, and D)
- Q2. Preparation and analysis of material Algae/Bryophytes/Pteridophytes/ Gymnosperms (E and F)
- Q3. Specimen or Slides from Algae/Bryophytes/Pteridophytes/Gymnosperms (H, I, and J)
- Q4. Study Tour Report
- Q5. Viva
- Q6. Journal

Scheme of Practical Examination (distribution of marks): 25 marks for the Semester end examination

1. Identify, classify and describe features observed in specimen 8 Marks
2. Describe the internal structures of the given specimen 4 Marks
3. Identification of Specimen slides 6 Marks
4. Study Tour Report 2 Marks
5. Viva 2 Marks
6. Journal 3 Marks

Total 25 marks

Note: Same Scheme may be used for IA (Formative Assessment) examination

Books recommended.

1. Ashok Bendre and Ashok Kumar (2009) A textbook of practical botany, Rastakge Publications.
2. Sharma, O.P., and Sharma, K. D. (2017) Practical Botany-I, Pragathi Prakashan, Meerut.
3. Raghuram, M, and Rao, M. V. (2018) B. Sc. Practical Book of Botany First Year, Technical Publishers.
4. Verghese, N., Joy, P.P. Microbiology Laboratory Manual, Kerala Agricultural University.



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Commerce Degree College, BAMESHINUR

Flora of our RTES College Campus Ranebennur

2019-20

— Assigned by —

Choodamani C
HOD of Botany

— Submitted By: —

1	Lambani Chaitra	16S14344
2	Ranjita R Chavan	16S14382
3	Deepa C Patil	16S14319
4	Deepa N B	16S14320
5	Priyanka A Kittur	16S14371
6	Prithvi B Kammar	16S14372

C. Choodamani
Head of the Department
of Botany
R.T.E.S. Arts Science &
Commerce College
RANEENNUR-581115.



[Signature]
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Introduction:

Trees play an impotent role in an ecosystem by maintaining ecological balance In our college campus variety of trees are present and helps us to study of trees are present and helps us to study of botany experiments we are appreciate flora of our college campus.

There is a upoil of some trees and their population in our campus.

SL No	Name of trees	Total No of Trees
1	Ashoka Tree	21
2	Christmas Tree	7
3	Gauva Tree	4
4	Forest Flame	2
5	Neem Tree	20
6	Cycas Tree	1
7	Basia Lalifolia	1
8	Coconut Tree	11
9	Custard apple	4
10	Jammun Tree	2
11	Lemon Tree	2
12	Table palm	4
13	Bihva tree	1
14	Banni tree	2
15	Cassia tree	17
16	Almond tree	1
17	Beetle nut tree	8
18	Niligiri tree	5
19	Gulmohar tree	2
20	Palm tree	6

Total Number of trees = 121



R.T.E.Society's
Arts, Science & Commerce Degree College, Ranebennur – 581 115

Department of Botany

Students enrolled for Project work for the year 2019-20

Sl.No	Name of the students	Class
1	LAMBANI CHAITRA	B.Sc.V Sem
2	RANJITA R CHAVAN	B.Sc.V Sem
3	DEEPA C PATIL	B.Sc.V Sem
4	DEEPA N.B.	B.Sc.V Sem
5	PRIYANKA A KITTUR	B.Sc.V Sem
6	PRITHVI B KAMMAR	B.Sc.V Sem
7	ANUSHA N BARKI	B.Sc.V Sem
8	CHAITRA PATIL	B.Sc.V Sem
9	CHETANA KUNABEVU	B.Sc.V Sem
10	DEEPA V BANAKAR	B.Sc.V Sem
11	GIRISH KOLLI	B.Sc.V Sem
12	GOURI G	B.Sc.V Sem
13	KAVYA MEGUNDE	B.Sc.V Sem
14	KIRIAN K.S.	B.Sc.V Sem
15	LAVANYA BYADAGI	B.Sc.V Sem

C.choodamanni
Head of the Department
of Botany
R.T.E.S. Arts Science &
Commerce College
RANEBENNUR-581115.



[Signature]
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Dept. of Zoology

SCHEME OF PRACTICAL EXAMINATION

1. Estimation	10
2. Identification-5	10
3. Project works report on ecology/wildlife biology	10
4. Viva connected with field work report	05
5. Journal	05
Total	40

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Commerce Degree College, RANEBENUR



SCHEME OF PRACTICAL EXAMINATION:

1.	Estimation	10
2.	Identification - 5	10
3.	Project work report on ecology/wildlife biology	10
4.	Viva connected with field work report	05
5.	Journal	05
Total		40




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R.T.E.S DEGREE COLLEGE

Ranebennur.



Project:-

Study on commercially used
Apiculture

SUBMITTED TO

DEPARTMENT OF ZOOLOGY

2019-20

Guide By :-
Chethana

Head of the department:-
B.K. KATENAHALLI

Submitted by:- Tejaswini. M. Havanur

Name:-

Reg. No. :- 20S15753

Chethana
3/10/2020




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conclusion :

- * It is a agro based rural industry.
- * Bee keeping also provides commercial products such as bee wax, pollen honey etc...
- * It can generate an additional income
- * It improve the economy of our country
- * It provides employment opportunities
- * Honey bees help in pollinating the flowers.




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Commerce Degree College, RANEBENNUR

Department of Zoology

Students enrolled for Project work for the year 2019-20

Sl.No	Name of the students	Class
1	TEJASHWANI M HAVANUR	B.Sc.V Sem
2	RANJITA R CHAVAN	B.Sc.V Sem
3	DEEPA C PATIL	B.Sc.V Sem
4	DEEPA N.B.	B.Sc.V Sem
5	PRIYANKA A KITTUR	B.Sc.V Sem
6	PRITHVI B KAMMAR	B.Sc.V Sem
7	ANUSHA N BARKI	B.Sc.V Sem
8	CHAITRA PATIL	B.Sc.V Sem
9	CHETANA KUNABEVU	B.Sc.V Sem
10	DEEPA V BANAKAR	B.Sc.V Sem
11	GIRISH KOLLI	B.Sc.V Sem
12	GOURI G	B.Sc.V Sem
13	KAVYA MEGUNDE	B.Sc.V Sem
14	KIRIAN K.S.	B.Sc.V Sem
15	LAVANYA BYADAGI	B.Sc.V Sem


Head of the Department
of Zoology
R.T.E.S. Arts, Science &
Commerce College
RANEBENNUR-581115


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Geography - 2013-14

KARNATAK UNIVERSITY, DHARWAD

Ref. No. No. KU/(Aca(S&T))/(MSP-015)/Geography/UG/PG/2013-14/ 807

Date: 11

NOTIFICATION

Sub: Revision of Geography syllabus for UG course from the academic year 2013-14 & onwards reg.

- Ref:** 1) BOS in Geography (UG/PG) Res. No. 04, dt; 14.09.2012.
2) Science Faculty, Res.No.06 dt: 11.03.2013.
3) Academic Council Res.No.30 dt: 25-03-2013.
4) Hon'ble Vice-Chancellors order dt: 04.05-2013.

Adverting to the above, it is hereby informed to the Principals of all the constituent and affiliated Arts and Science Degree Colleges that the revised syllabus in Geography syllabus for UG course with effect from the academic year 2013-14 and onwards. The revised syllabus is enclosed herewith.

Hence, the contents of this notification may please be brought to the notice of the students and all concerned.

The concerned syllabus may be obtained through the Karnatak University, Web Site: www.kud.ac.in.

REGISTRAR 315/13

To,

1. The Chairman, BOS in Geography (UG & PG) P.G. Department of Studies in Geography, K.U. Dharwad.
2. Principals of all the constituent and affiliated Arts and Science Degree Colleges coming under the Jurisdiction of Karnatak University, Dharwad.

Copy F.W.cs to;

1. Dr. S.A. Patil, Dean Faculty of Science & Technology, PG. Dept. of Studies in Chemistry, K.U., Dharwad.
2. The Registrar (Evaluation), K.U. Dharwad.
3. The Chairman, PG. Dept. of Studies in Geography, K.U., Dharwad.
4. Dr. R.M. Vataal, J/c. IT Director, Internet Section, Examination Section, K.U. Dharwad for information and with a request to put the said notification and its enclosures in the University website: www.kud.ac.in

Copy to:

1. P.S. to Vice Chancellor, K.U. Dharwad
2. S.A. to Registrar, K.U. Dharwad
3. S.A. to Registrar (Evaluation), K.U. Dharwad
4. O.S. Academic (PG/Crt) Section, K.U. Dharwad
5. O.S. Exam (Arts Faculty) Section, K.U. Dharwad
6. O.S. Exam (Science Faculty) Section, K.U. Dharwad
7. O.S. Exam (PG), Section, K.U. Dharwad
8. O.S. Exam (Conf) Section, K.U. Dharwad
9. O.S. Exam (QP) Section, K.U. Dharwad
10. O.S. Exam (GAD/Time Table) Section, K.U. Dharwad



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3. Each theory course will have a question paper of '3' hours duration and the maximum mark of '80'

4. Each theory question paper will have '5' questions, each carrying '16' marks ('8+8' marks). Each question has a choice of attempting either 'A' or 'B' fully.

Practical Examination: 1. Each practical course will have an examination of '4' hours duration with maximum marks of '50' of which '40' marks are allotted for the practical examination and '10' marks for internal assessment by conducting an examination in practical taught up to that period.

2. The practical examination is to be conducted in batches with not more than '15' candidates per batch.

3. There will be one internal examiner one external examiner to conduct the practical examination for each batch.

4. Scientific calculators and mobile phones are not allowed in the examination

5. Minimum marks to pass in each paper both theory and a practical is 40%

6. Each candidate shall complete the laboratory course prescribed by the University entering all the experiments/exercises in the Laboratory Journal which shall be produced at the time of practical examination along with a certificate signed both by the course teacher and the Head of the Department of Geography of the concerned college to the effect that he/she has completed the prescribed course in a satisfactory manner.

Name of Papers in B.A./B.Sc. Geography

	Semester	Name of Subject	Marks +IA=	Total
B.A./B.Sc. Geography	1 st Sem	Physical Geography	80 +20	100
		Practical: Paper I Scales	40+10	50
B.A./B.Sc. Geography	2 nd Sem	Climatology and Oceanography	80+20	100
		Practical: Paper II Maps and Diagrams	40+10	50
B.A./B.Sc. Geography	III rd Sem	Regional Geography of Karnataka	80 +20	100
		Practical : Paper III introduction to Weather Maps and Instruments.	40+10	50
B.A./B.Sc. Geography	IV th Sem	Geography of India	80 +20	100
		Practical: Paper IV Interpretation of Topographical Maps	40 +10	50
B.A./B.Sc. Geography	V th Sem	Evolution of Geographical Thought	80+20	100
	V th Sem	Human and Economic Geography of the World	80+20	100
		Practical: Paper V Map Projections	40+10	50
		Practical : Paper VI Statistical Diagrams and Statistic	40+10	50
	VI th Sem	Environmental Geography	80 +20	100
		Agriculture and Rural Geography	80+20	100
		Practical : Paper VII Basic Computer Application and GIS		
	Practical: Paper VIII Field Study and Project Report	40+10	50	



Recommended Books.

1. Husain, M. (1996): Systematic Agricultural Geography, Rawat Publications, Jaipur.
2. Mishra, R. P. (1967): Diffusion of Agricultural Innovations, University of Mysore, Mysore.
3. Mohammad, A.(1978): Studies in Agricultural Geography, Rajesh Publications, New Delhi
4. Morgan, W. B. and Norton.
5. Mohammad Safi.(2006) Agriculture Geography.
6. L.T.Nayak : Vasati Bhogol Shastra

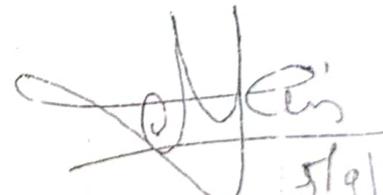
PRACTICAL PAPER VII: Computer Application And GIS

1. Basic of Computer Applications: Operation of M.S. Word M.S. Excel and Power Point.
2. Graphical Represent of data.
3. GIS; Importance, Components (Hardware, Software, Infrastructure, Brain ware).

PRACTICAL PAPER VIII: FIELD WORK AND PROJECT REPORT

Field Trip and Report Writing: The Problem is to be identified with the District; the field work has to conduct and prepare a report and to be submitted to the Department before the commencement of Practical Examination.




5/9/12
CHAIRMAN &
P.G. DEPT. OF GEOGRA
KARNATAKA UNIVERSITY
DHARWAD-580 003


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Ranebennur Taluka Education Society
Arts, Science & Commerce College Ranebennur

DEPT OF GEOGRAPHY

Project Report Submitted by B.A VI Semester
Students 2019 - 20

Agriculture and non Agriculture activities in
Kamadoda village's A Geographical Analysis

Guided by

Prof. R.S.Naik M.A.
Associate Professor
R.T.E.S College
Ranebennur




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ರಾ.ತಾ.ಶಿ.ಸಂಸ್ಥೆಯ ಕಲಾ ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ
ಮಹಾವಿದ್ಯಾಲಯ, ರಾಣೇಬೆನ್ನೂರು

ಭೂಗೋಳಶಾಸ್ತ್ರ ವಿಭಾಗ

ಪ್ರಮಾಣ ಪತ್ರ

ಈ ಮೂಲಕ ಪ್ರಮಾಣೀಕರಿಸುವುದೇನೆಂದರೆ ಬಿ.ಎ.6 ನೇ ಸೆಮಿಸ್ಟರ್ ವಿದ್ಯಾರ್ಥಿಗಳು 2020-21 ನೇ ಸಾಲಿನ ಯೋಜನಾ ಕಾರ್ಯಕ್ಕಾಗಿ ಕೈಗೊಂಡ ಕ್ಷೇತ್ರ ಕಾರ್ಯವನ್ನು ಯಶಸ್ವಿಯಾಗಿ ನಿರ್ವಹಿಸಿ "ಕಮದೋಡ ಗ್ರಾಮದ ಕೃಷಿ ಹಾಗೂ ಕೃಷಿಯೇತರ ಚಟುವಟಿಕೆಗಳ ಒಂದು ಭೌಗೋಳಿಕ ವಿಶ್ಲೇಷಣೆ" ಎಂಬ ವಿಷಯದ ಕುರಿತು ಯೋಜನಾ ಕಾರ್ಯವನ್ನು ತೃಪ್ತಿಕರವಾಗಿ ವರದಿಯನ್ನು ಸಿದ್ಧಪಡಿಸಿ ಪೂರ್ಣಗೊಳಿಸಿದ್ದಾರೆ ಎಂದು ಪ್ರಮಾಣೀಕರಿಸುತ್ತೇನೆ.



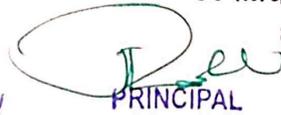
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ಪ್ರೊ. ಆರ್.ಎಸ್. ನಾಯ್ಕ .M.A.
ಸಹ ಪ್ರಾಧ್ಯಾಪಕರು, ಭೂಗೋಳ ಶಾಸ್ತ್ರ ವಿಭಾಗ
ಆರ್.ಟಿ.ಇ.ಎಸ್. ಮಹಾವಿದ್ಯಾಲಯ
ರಾಣೇಬೆನ್ನೂರು

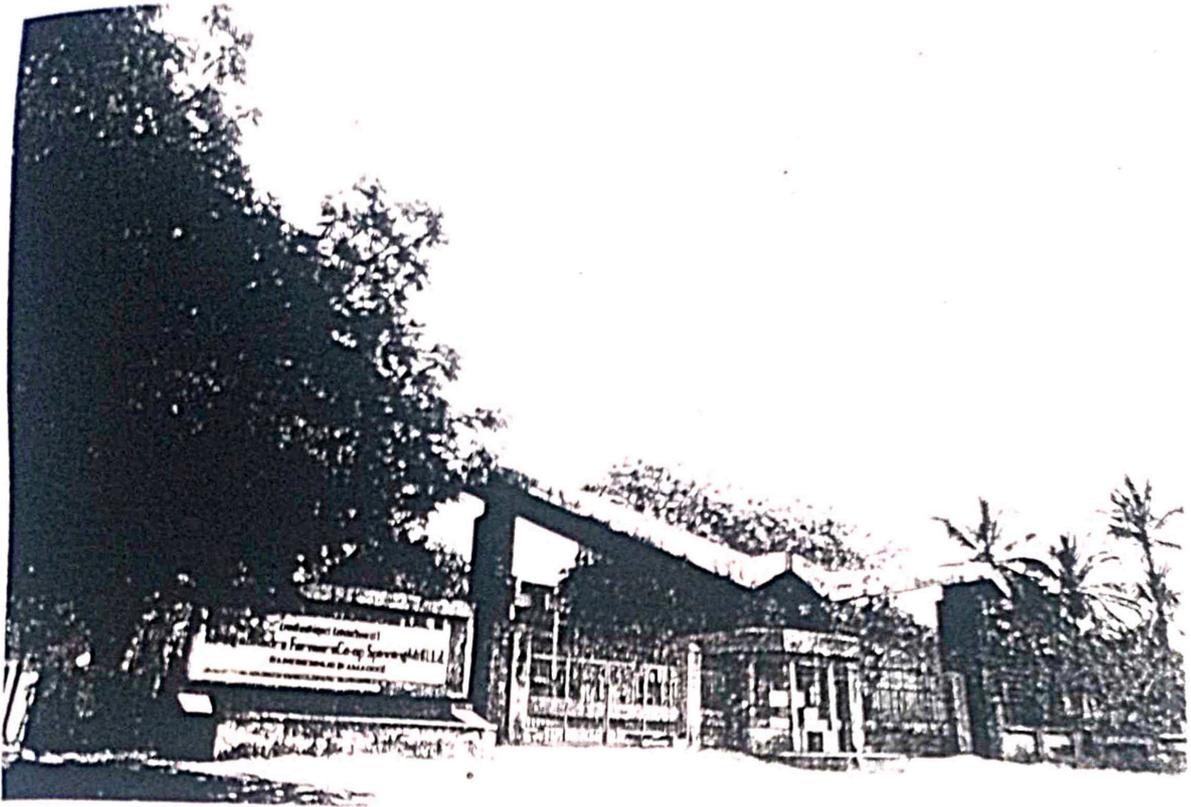
H.O.D.
Department of Geography

~~ಮಾನ್ಯ ಪ್ರಾಧ್ಯಾಪಕರು~~

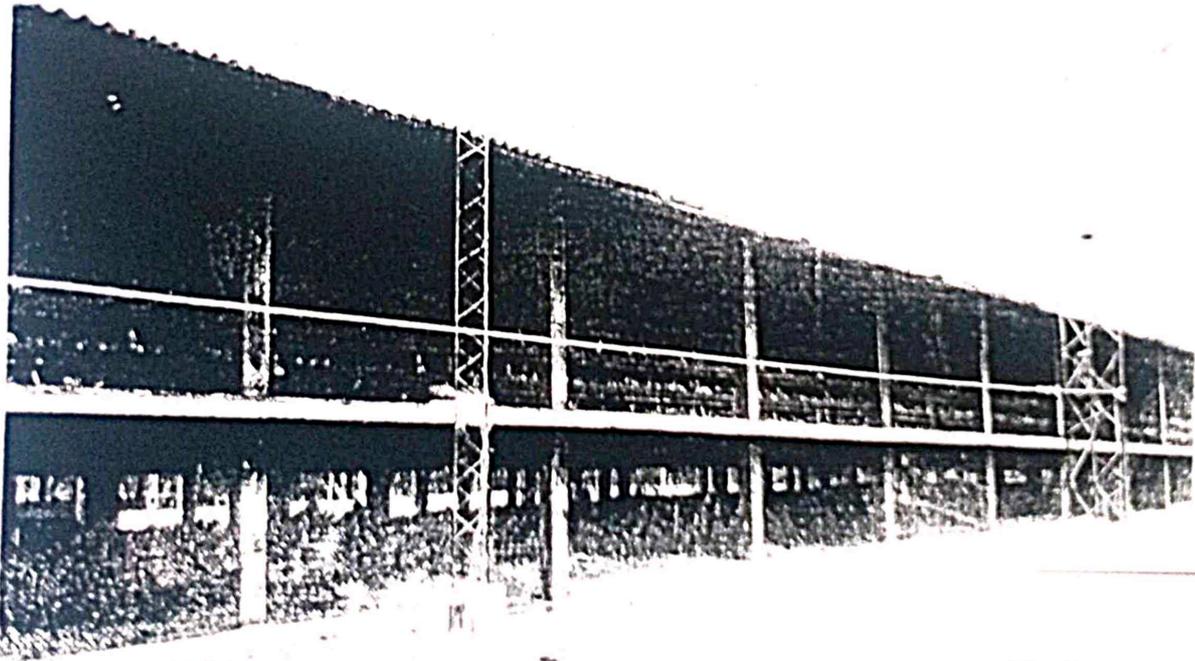
ಪ್ರೊ. ಆರ್.ಎಸ್. ನಾಯ್ಕ .M.A.
ಸಹ ಪ್ರಾಧ್ಯಾಪಕರು, ಭೂಗೋಳಶಾಸ್ತ್ರ ವಿಭಾಗ
ಆರ್.ಟಿ.ಇ.ಎಸ್. ಮಹಾವಿದ್ಯಾಲಯ
ರಾಣೇಬೆನ್ನೂರು


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ತುಂಗಭದ್ರ ರೈತರ ಸಹಕಾರಿ ನೂಲನ ಗಿರಣಿ



ಕೊಳೆ ಸಾಕಾಣಿಕೆ ಕೇಂದ್ರ



B.A. V Sem 2019-2020 Geography Students List

Sl. No.	Roll No.	Exam Seat No.	Students Name
1	1	16A21446	SHIVANAGOUDA.M.BHARAMAGOUDRA
2	3	17A21801	ADARSH CHINCHAPPAVAR
3	5	17A21808	BEERESH NAYAK
4	6	17A21810	BHEEMAPPA NAYAK
5	7	17A21811	CHAITRA. S. CHALAVADI
6	8	17A21812	CHANDRAPPA MAGOD
7	9	17A21813	CHANNABASAVA HONNAJJI
8	10	17A21814	CHENNAYYA. S. AJJEVADIMATH
9	12	17A21816	GANESH. I. BAJJI
10	13	17A21818	JAYANNA ANGADI
11	17	17A21828	MANTESH CHALAWADI
12	18	17A21829	NAGARAJA. F. MADAR
13	19	17A21830	NAVEEN KARIGAR
14	20	17A21831	NAVEEN . N. KACHCHARABI
15	21	17A21832	PRAVEENKUMAR. M. DODDAMARIYAMMANAVAR
16	22	17A21833	RAMESH NAYAKA
17	23	17A21834	RAVI. M. HYARADA
18	24	17A21836	SACHIN CHALAVADI
19	25	17A21839	SHAHID AHMED MASUR
20	31	17A21848	VISHWANATHA MADENAHALLI



[Signature]
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CH: 6.2-CHEMISTRY-VIII (Paper-II)**Proposed Syllabus for Semester-VI (Paper-II)**

No. of hours per week : 3
 Total No. of Hours : 40

Theory : 80 Marks
 I A : 20 Marks

INORGANIC CHEMISTRY**Analytical Chemistry:**

- Chromatography: Principle and applications of paper chromatography & Column chromatography. Calculation of R_f value. (2 Hrs)
- Ion Exchange Process: Principle, Types of Ion exchange resins and determination of Chlorides by ion exchange method. (2 Hrs)
- Flame Photometry: Principle, instrumentation and application. Flame Photometric determination of Na & K (2 Hrs)
- Thermogravimetry: Principle and application of Thermo-analytical methods (TG & DTA) (2 Hrs)
- Electrogravimetry: Principle, instrumentation and application. Electrogravimetric estimation of Cu. (2 Hrs)

Soil Chemistry:

Macro nutrients in soil, trace metals and organic matter in soil, Determination of pH, nitrogen (by alkaline permanganate method) & phosphorus (by Bray's & Olsen's method) present in the soil. (3 Hrs)

ORGANIC CHEMISTRY

1) **NMR Spectroscopy** – Proton Magnetic Resonance ($^1\text{H NMR}$) spectroscopy, Nuclear shielding and deshielding, Chemical shift and molecular structure. Spin – spin couplings. Interpretation of PMR spectra of simple organic molecules such as Ethyl bromide, Ethanol, Acetaldehyde and Toluene **4 hrs**

2) **Chemotherapy** :- Introduction, requirement of an ideal synthetic drug, Classification, Synthesis and uses of the following :

Analgesics – Aspirin, Analgin.

Antipyretics – Antipyrene, Paracetamol.

Anaesthetics – Novocaine (local) and Pentothal sodium (general).

Antihistamines – Chlorpheniramine maleate (CPM).

Antimalarials – Paludrine, Chloroquine.

Para pharmaceutical Reagents – Benedict's reagent, Blood grouping reagents, Sodium citrate, Baford reagent. **6hrs**

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3) **Soaps & Detergents:-** Introduction, Soaps - manufacture by modern process, cleansing action of soap. Detergents - anionic, cationic and nonionic, with suitable examples - distinction between soaps and detergents. Emulsifiers, Stabilisers and Builders. 4hrs

PHYSICAL CHEMISTRY

1. **Photochemistry:** Photochemical reactions, laws of photochemistry; Lambert's law, Beer-Lambert's law, Grothus Drapper's law and Einstein's law of photochemical equivalence. Quantum efficiency. Experimental determination of quantum efficiency by chemical actinometers. Reasons for high and too low quantum efficiencies with examples. Fluorescence, phosphorescence, photosensitization, photo inhibitions and chemiluminescence. 7 Hrs

2. **Physical properties and molecular structure:** Optical activity, polarization (Clausius - Mossotti equation assumed). Orientation of dipoles in an electric field, dipole moment, induced dipole moment, measurement of dipole moment by temperature variation method. Dipole moment and structure of molecules 6 Hrs

CH (Pr): 6.3-Lab Course in Chemistry-VII (Inorganic)

Total No of hours /week : 4Hrs.

Pract. : 40 Marks

Total No. of 11 hours : 52Hrs.

I. A. : 10 Marks

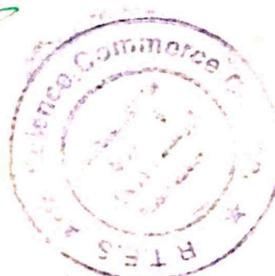
I) Volumetric estimation

1. Preparation of aqueous Iron(III) solution from haematite ore or solid Fe_2O_3 and estimation of percentage of iron in the solution using standard $\text{K}_2\text{Cr}_2\text{O}_7$ solution (internal indicator method).
2. Preparation of aqueous solution of Cu and Zn from brass and estimation of percentage of Cu in the solution using standard $\text{Na}_2\text{S}_2\text{O}_3$ solution.
3. Preparation of calcium chloride solution from limestone and estimation of percentage of calcium in the solution by oxalate method.
4. Estimation of zinc using decinormal solution of potassium ferrocyanide solution. Standardization of the titrant is to be done with standard ZnSO_4 solution.

II. Gravimetric estimations

5. Estimation of barium as BaSO_4
6. Estimation of Al as Al_2O_3
7. Estimation of iron as Fe_2O_3

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8. Estimation of lead as $PbSO_4$

III. Preparation and determination of percentage yield of the following compounds:

9. Ni – DMG complex

10. Cis – Trans Bis oxalate diaqua chromate (III)

11. Hexamine cobalt(II) chloride.

IV. Ion exchange process:

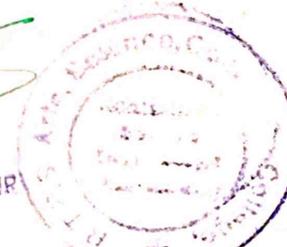
12. Separation of Mg (II) and Fe (II) by ion exchange method.

Industrial study tour report or project work report is compulsory in VI-semester. The report carries 10 marks and it should be submitted in inorganic chemistry practicals (6.3-Lab Course).

The following projects may be considered

1. Soil analysis
2. Water analysis
3. Sewage water treatment and management
4. Ion exchange methods
5. Chromatography
6. Crystallization and assay
7. Preparation of organic compound / complex compound and assay
8. Effect of pesticides and insecticides
9. Milk analysis
10. Preparation of pharmaceutical compounds and assay
11. Chemical processes in; textile industries / Fertilizer industries/ Dairy industries / chemical industries / ceramic industries / sugar industries/ oil industries / solvent extraction / liquor industries
12. Alternate sources of generating electric power / engine fuel

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Commerce Degree College, RANEBENUR



2019-20



Re-Accredited by
NAAC 'B' Grade

Ranebennur Taluka Education Society's

ARTS, SCIENCE AND COMMERCE DEGREE COLLEGE

Dist : Haveri)

RANEBENNUR - 581 115

(State : Karnataka

(District Lead College)

Affiliated to Karnataka University

(Code 3212)

Email : Principel_rtescollege@yahoo.com Fax : 08373-266461 (D) 08373-266461 (C), 268447 (R), Mob: 9449121300

Ref. No. RTES : 726/2019-20

Date : 16-01-2020

To,
The GM
Karnataka Soaps and
Allied Industry,
Hunasikatti Road,
Ranebennur.

Respected Sir,

Subject: Request to give permission to visit your esteem
Industry regarding.

With reference to the subject cited above, I would like to
bring to your kind notice that for B.Sc. VIth sem students Industrial
visit is compulsory, it is part of the curriculum of Karnataka
University Dharwad.

Therefore we request you to give the permission to our
students and staff members 94(Students & 3 Staff members) to
visit Industry preferably 23rd Jan. 2020. We hope you will do the
needful and your positive response is solicited.

Thanking you

Yours faithfully



Principal

R.T.E. Society's Arts Science &
Commerce College, RANEBENNUR



Visit of BSc VI sem students & Faculty members
from R.T. E-S Arts, Science & Commerce
College, Ranebennur 2019-2020



R. T. E. Society's
ARTS, SCIENCE & COMMERCE COLLEGE
RANEBENNUR

NAME OF EVENT

STUDY TOUR/PROJECT

1	NAME OF THE DEPARTMENT	Chemistry
2	EVENT	Industrial Tour
3	DATE	10-03-2019
4	PLACE OF VISIT	Essar Laboratories Hubballi
5	OBJECTIVES OF THE STUDY TOUR	Study of water testing & application
6	NO OF BENEFICIARIES	75 Students.
7	PHOTOS & REPORT	Attached
9	CONTRIBUTION TO IQAC	Experiential Learning
10	BRIEF DESCRIPTION OF THE TOUR	Water sample is collected & free from Ca^{2+} , F^{-} , SO_4^{2-} , are tested by suitable chemical reagent in Essar Laboratories. After testing it is used in clarification of drinking water etc.

HOD

Principal

Study Tour/Project - 2017-18

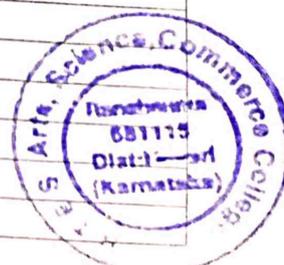


R. T. E. Society's Arts Science & Commerce College, RANEBENNUR

Class: B.Sc.V Sem

Statement showing the students admitted to Chemistry Subject
during the academic year 2019-2020

Sl.No.	Seat No.	Student Name
1	17S14701	ABHILASH KARABASAI AVAR
2	17S14703	AISHVARYA MUDIKARIYAPPANAVAR
3	17S14704	AISHVARYA M SANNAGOUDRA
4	17S14705	AKSHATHA M BANAKAR
5	17S14706	APOORVA P KUNDAPUR
6	17S14708	ARPITHA G T
7	17S14709	ARUNA B CHANNAGOUDRA
8	17S14711	ASWINI B HAUNSABHAVI
9	17S14712	AVINASH SHIDLANNANAVAR
10	17S14713	BALARAMA A CHOUTAGI
11	17S14714	BASAVARAJ GURUBASAPPANAVAR
12	17S14715	BEERESH PUJAR
13	17S14716	BEEERESH SANNAKENCHALAR
14	17S14717	BENNIHALI NETHRAVATHI
15	17S14721	BHEEMAPPA HULLYAL
16	17S14722	BHUVANESHWARI G POOJAR
17	17S14723	BINDU C K
18	17S14724	CHAITRA CHANNAVEERAPPA HADIMANI
19	17S14725	CHAMPAKALI GONNI
20	17S14726	CHANDANKUMAR KOGALI
21	17S14727	CHAMDRAPPA JAYAPPA TAVARAGONDI
22	17S14728	CHANDRASHEKHAR NAYAK
23	17S14729	CHETAN KUMAR N M
24	17S14730	CHETANA KUMAR THOTAGER
25	17S14731	DEEPA KUNCHURAKAR
26	17S14732	DEEPA NADIGER
27	17S14733	DEEPA R KONI
28	17S14734	DEVENDRAPPA SAVAKKANAVAR
29	17S14735	DEVIKA V KAREGOUDRA
30	17S14736	GAYITRA DEVARADDI
31	17S14737	GEETA PACHCHER
32	17S14738	GEETHA A SANNABOMMAJI
33	17S14739	HALESH M DOGGALLI
34	17S14741	HARSHITA HOSAMANI
35	17S14742	ISMAILZABIULLA J JAMKHANI
36	17S14743	JYOTHI B ITAGI
37	17S14744	JYOTHI PATIL
38	17S14746	KAVYA K ANGADAKI
39	17S14747	KAVYA S DODDAMANI
40	17S14748	KLEERTHI S HALLEMMANAVAR
41	17S14749	KENCHAMMA ANANDI
42	17S14751	KIRANA K MALIYAPPANAVAR
43	17S14752	KOMAL N YALIGAR



Sl No	Exam Seat No	Name of the Candidate
44	17S14753	LAKSHMI R A
45	17S14755	LAVANYA HONGAL
46	17S14756	LAXMAN M K
47	17S14758	MADHU R KUMBAR
48	17S14759	MADHU S HOOLIHALLI
49	17S14761	MALATESH A GUBBI
50	17S14762	MALATESH JANGALI
51	17S14764	MALLIKARJUNA I BUDAPANAHALLI
52	17S14766	MANJUNATH AMBALER
53	17S14767	MANJUNATH KANAGOTAGI
54	17S14768	MANJUNATH MADIVALAR
55	17S14770	MANJUNATHA CHIKKANNANAVARA
56	17S14771	MANOHARA JYOTI
57	17S14772	MANOJ GOUDAR
58	17S14773	MANOJ NAYAKA
59	17S14774	MARUTI H BAGLAR
60	17S14775	MEGHA S ANGADI
61	17S14779	NANDISH C AJAGANNANAVAR
62	17S14780	NAYANA BHOVI
63	17S14781	NEELAMMA M GOULER
64	17S14782	NETRA M GADDAD
65	17S14783	NETRA NAGAVVANAVAR
66	17S14784	NIHABANU A BAGWALE
67	17S14785	NIKITHA D REVANKAR
68	17S14786	NIVEDITA H NAYAK
69	17S14787	NIVEDITA I MALENAHALLI
70	17S14788	PALLAVI M DESAGATTI
71	17S14789	PAVAN KUMAR K S
72	17S14790	POOJA S BARKI
73	17S14792	PRATHIBHA B TAHASHILDAR
74	17S14793	PREETI U KACHCHARABI
75	17S14796	PYARIJAN NASHIPUDI
76	17S14797	R POOJA
77	17S14798	RADHIKA N LAMANI
78	17S14799	RAMESH HOLIYAPPANAVAR
79	17S14800	RANGARADDI BANAKAR
80	17S14801	REKHA B MUDAKAMMANAVAR
81	17S14802	ROOPA M M
82	17S14803	RUKHAIYABANU N SOUDAGAR
83	17S14804	RUKSAR SADIA A PATHAN
84	17S14805	SACHIN KUNCHURAKAR
85	17S14806	SAHANA B HOSALLI
86	17S14807	SAHANA KONANAVAR
87	17S14809	SALMA S BANNIKOPPA
88	17S14810	SANDEEP N NEELAPPANAVAR
89	17S14811	SANDESH V CHALAGERI
90	17S14812	SANGEETA ANGADI



Sl No	Exam Seat No.	Name of the Candidate
91	17S14813	SANTHOSHA C D
92	17S14814	SAVITA KURANDWAD
93	17S14815	SAVITHA S KELAGINAMANI
94	17S14816	SHARATH H PUJAR
95	17S14817	SHAZIYA HASAN RANGAWALE
96	17S14819	SHIDDESH M. BUDIHALA
97	17S14820	SHIVALEELA B. BUDAPANAHALLI
98	17S14821	SHIVARAJ PALED
99	17S14822	SHREEDHAR MEENAKATTI
100	17S14823	SHREYA MOGINAVAR
101	17S14824	SHRIDHAR. M. WALMIKI
102	17S14825	SHWETA GOVINDARADDER
103	17S14826	SHWETHA M. HURAGI
104	17S14827	SHYAMALA K NOOLAGERI
105	17S14828	SIDDANAGOUDA. P. SOMANAGOUDRA
106	17S14829	SOUNDARYA. U. HALAGERI
107	17S14830	SRUSTI ANIL UPPIN
108	17S14831	SUDEEP. M. BIDARI
109	17S14834	SUSHMA A CHAVAPPANAVAR
110	17S14835	SUSHMA GOUDRA
111	17S14836	SUSHMA V H
112	17S14838	TRUPTI SIDDANAGOUDRA
113	17S14840	UMA HALAGERI
114	17S14841	UMA. M. BHARAMAGOUDRA
115	17S14842	USHA. K. BANAKAR
116	17S14843	VARSHA. H. KALAPPANAVAR
117	17S14845	VIDYA. M. AKKUR
118	17S14846	VIJAYALAKSHMI. S.
119	17S14847	VIJAYALAXMI KALLANAGODAR
120	17S14848	VIKAS. S. NOORANDEVARMATH
121	17S14849	VINAYAKA AMBALI
122	17S14850	VINAYAKA. S. KITTAD
123	17S14851	VINODKUMAR. H. DODDAMANI
124	17S14852	VINUTHA. R. PALANAKAR
125	17S14854	YALLAVVA. M. ELIGAR
126	17S14855	YOGITA BENDALAGATTI
127	17S14856	YUVARAJ. B. KODIHALLI

Male- 49

Female- 78

Total ~~127~~ Students Total- 127 attended industrial tour = 94
 Remaining ~~33~~ Students attended project report = 33



Attested By

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R.T.E.Society's
ARTS SCIENCE AND COMMERCE COLLEGE
RANEBENNUR -581115



DIST:HAVERI

STATE KARNATAKA

CERTIFICATE FOR PROJECT REPORT

This is to certify that kumar /kumari *Sudeep..m.....*
..Bidari..... has prepared by KARNATAKA UNIVERSITY DHARWAD
FOR B.SC -VI Sem course during the year 2019-2020

Date: 8/10/20

signature

Guide of The batch

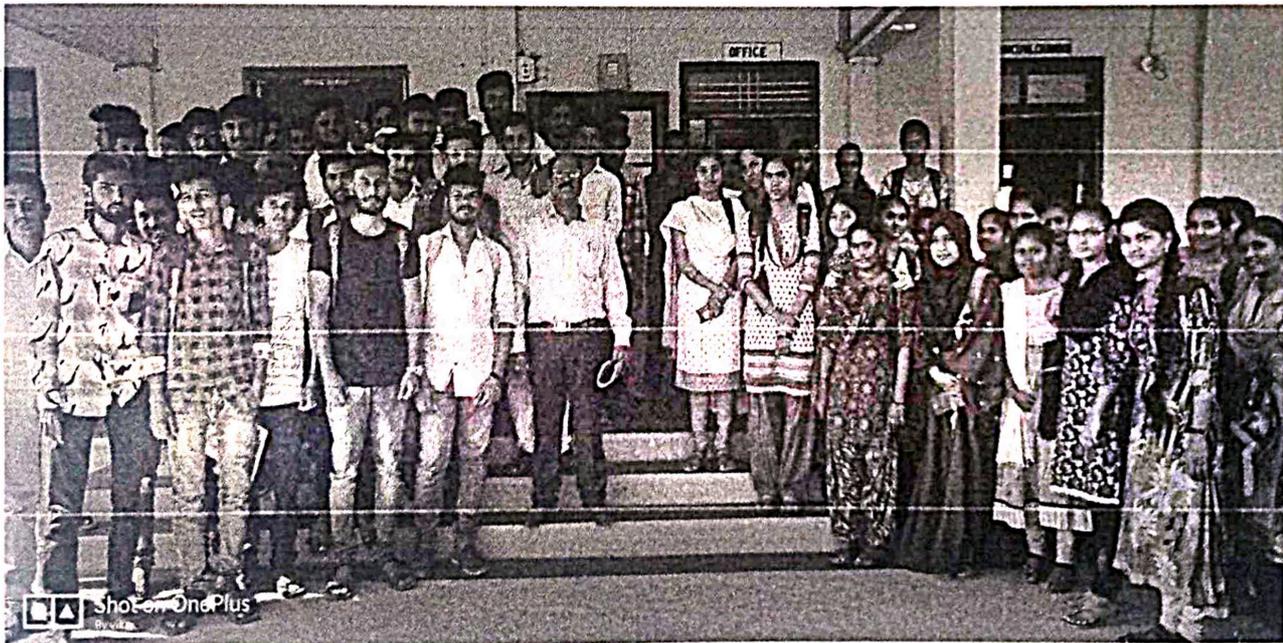
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Head of the Dept. of Chemistry
Arts & Science College
RANEBENNUR.



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Commerce Degree College, RANEBENNUR

DIFFERENT BETWEEN SOAP AND DETERGENT

Soap	Detergent
1.They are sodium or potassium salts of fatty acids.	1.They are sodium or potassium salts of sulphonic acids.
2. They have COO^-Na^+ group	2. They have $-\text{SO}_3 \text{Na}$ group
3.They do not work well with hard water, acidic water and saline water.	3.They work well with hard water, acidic water and saline water.
4. They are fully biodegradable.	4. Some detergents having branched hydrocarbon chain are non biodegradable.
5. Example- Sodium stearate, Sodium palmitate.	5. Example- Sodium lauryl sulphate.



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List of students who completed field work of academic year 2018-19

Field work /Project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	GIRISH KOLLI	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
2	PAVANKUMAR GOUDAR	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
3	RAKESH MALLAPUR	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
4	SHANKARGOUDA PATIL	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
5	PUNITH NAIKAR	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
6	RANJITA M	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
7	RAKESH SALI	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
8	RANJIT N KARJAGI	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19-	B.Sc.V Sem	Study tour report / Project report
9	RAJESHWARI A ATADKAR	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
10	SACHIN DULEHOLE	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
11	SAVITA SHIVANNANAVAR	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
12	SHAHANWAZ KHAN SOUDAGAR	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
13	SHANKARGOUDA S PATIL	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
14	SHASHIKALA H CHAKRASALI	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report
15	SHRIDHAR G KULAKARNI	B.Sc. (Bot)	Prof.Smt.C. Choodamani	18-19	B.Sc.V Sem	Study tour report / Project report


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List of students who completed field work of academic year 2018-19
Field work /Project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	MAHADEVARADDY HOSALLI	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
2	PAVANKUMAR GOUDAR	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
3	RAKESH MALLAPUR	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
4	SHANKARGOUDA PATIL	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
5	PUNITH NAIKAR	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
6	RANJITA M	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
7	RAKESH SALI	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
8	RANJIT N KARJAGI	B.Sc. (Zoo)	Chetana Melageri	18-19-	B.Sc.V Sem	Project report
9	RAJESHWARI A ATADKAR	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
10	SACHIN DULEHOLE	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
11	SAVITA SHIVANNANAVAR	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
12	SHAHANWAZ KHAN SOUDAGAR	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
13	SHANKARGOUDA S PATIL	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
14	SHASHIKALA H CHAKRASALI	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report
15	SHRIDHAR G KULAKARNI	B.Sc. (Zoo)	Chetana Melageri	18-19	B.Sc.V Sem	Project report


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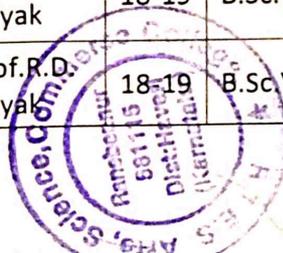
R.T.E.Society's
Arts, Science & Commerce Degree College, Ranbennur – 581 115

List of students who completed field work of academic year 2018-19

Fieldwork /project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	ANJANA C NAGENAHALLI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
2	ANJU C BILACHI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
3	ANUSHA N BARKI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
4	ARPITHA A .M.	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
5	ARUN BHEEMAPPA AJJER	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
6	AYISHABANU B.M.	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
7	CHAITRA RANGANAGOUDA PATIL	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
8	CHETANA MALLESHAPPA KOONABEVU	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
9	CHINMANI D.M.	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
10	CHIRANJEEVI BARADUR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
11	DEEPA HEMAPPA BELAKERI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
12	DEEPA C PATIL	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
13	DEEPA NAGARAJA BILASANURMATH	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
14	DEEPA V BANAKAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
15	FAKEERAMMA KOLLERA	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
16	GIRISHA KOLLI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
17	GOURI G	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / ProjectWork

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18	HARISHGOUDA PATIL	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
19	HONNAMMA MUDAKAPPA GUDIYAVAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
20	JYOTHI CHALAVADI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
21	JYOTI BUDANUR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
22	KAVYA MEGUNDI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
23	KECHAVVA R BAVALLI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
24	KIRAN K.S.	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
25	KULSUM NAZ HARIHAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
26	LAMBANI CHITRA	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
27	LAVANYA RAMACHANDRA BYADAGI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
28	LAXMI DANDAGIHALLI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
29	MAHANTESH MALAGI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
30	MAHESH M KATTIMANI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
31	MANGALA MATHAD	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
32	MANJUNATH M HITTALAMANI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
33	MANJUNATH NELOGAL	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
34	MANOHAR N ARALIKATTI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
35	MEGHA P CHINNIKATTI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
36	MEGHA B HULLATTER	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work

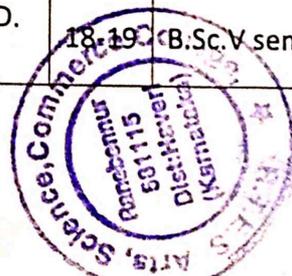


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al Tour
/ Project

37	NAGARAJ OLEKAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
38	NAGARATNA BOODIHAL	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
39	NAGENDRAPPA V GANGAMMANAVAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
40	NANDA DESAI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
41	NIKHITA A NIRALAGI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
42	NOORJAHAN HARIHAQR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
43	PALLAVI HIREMATH	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
44	PAVANKUMAR H GOUDAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
45	PAVITRA MANEGAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
46	POOJA M	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
47	PRIYANKA KITTUR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
48	PRITHVI BASAVARAJ KAMMAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
49	PUNITH NAIKAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
50	RAGHAVENDRA ASHOKAPPA JANAGIRI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
51	RAJANI L KARIGAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
52	RAJESHWARI ATADAKAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
53	RAJESHWARI B RAJANAHALLI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
54	RANJIT NAGAPPA KARJAGI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
55	RAKESH MALLAPUR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work

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56	RAKESH SALI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
57	RANJEETHA M	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
58	RANJITA CHAVAN	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
59	RAZA FARHIN ATTAR N.A.	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
60	REKHA BANAKAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
61	SACHIN BASAVARAJ SOPPIN	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
62	SACHIN DHULEHOLI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
63	SANGEETA HAVERI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
64	SAVITA SHIVANNANAVAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
65	SEEMA NAGARAJ HADARAGERI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
66	SHAHANAWAZ KHAN SOUDAGAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
67	SHAMBHULINGA H CHAKRASALI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
68	SHANKARGOUDA S PATIL	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
69	SHARPUNBI KANADAMANI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
70	SHASHIKALA H CHAKRASALI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
71	SHIVARAJ H POOJAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
72	SHREEDHAR P NAMADEVA	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
73	SHRIDHAR G KULKARNI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
74	SHWETA MUDIGOUDRA	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work



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Industrial Tour
Report / Project
Work
Industrial Tour
Report / Project
Work
Industrial Tour
Report / Project
Work

75	SUDHA KARILINGAPPAVAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
76	SULEMAN MARDANSAB BUDDAMMANAVAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
77	SUNIL KUMAR BARKI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
78	SUPRITA KOPARDE	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
79	SURESH ODEYAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
S0	TARANNUM EKBALSAB KATHARI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
S1	TILAKESH MALAGI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
S2	USHA KATAGI	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
S3	PRATIBHA SANNADYAVANNANAVAR	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
S4	MEGHANA C PATIL	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
S5	FARHAT BANU S KOTWAL	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work
S6	TANZIYA MULLA	B.Sc.(Chem)	Prof.R.D. Nayak	18-19	B.Sc.V sem	Industrial Tour Report / Project Work


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DEPT. of Botany.

Scheme of Practical Examination (distribution of marks): 25 marks for the Semester end examination

1. Identify, classify and write the salient features observed of specimen A, B, C **6 Marks**
2. Perform simple Gram staining using material 'D'. Show the preparation to the examiners **4 Marks**
3. Identification of the disease and explain symptoms observed in specimen E and F **4 Marks**
4. Identify and describe the features observed in the slides/specimen G, and H **4 Marks**
5. Study Tour Report **2 Marks**
6. Viva voce **2 Marks**
7. Journal **3 Marks**

Total 25 marks

Note: Same Scheme may be used for IA (Formative Assessment) examination

Books recommended.

1. Ashok Bendre and Ashok Kumar (2009) A textbook of practical botany. Rostakge Publications.
2. Sharma, O.P., and Sharma, K. D. (2017) Practical Botany-I. Pragathi Prakashan, Meerut.
3. Raghuram, M, and Rao, M. V. (2018) B. Sc. Practical Book of Botany First Year. Technical Publishers.
4. Verghese, N., Joy, P.P. Microbiology Laboratory Manual, Kerala Agricultural University.




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General instructions:

- Q1. Give specimen from Algae, Bryophytes, Pteridophytes, and Gymnosperms (A, B, C, and D)
- Q2. Preparation and analysis of material Algae/Bryophytes/Pteridophytes/ Gymnosperms (E and F)
- Q3. Specimen or Slides from Algae/Bryophytes/Pteridophytes/Gymnosperms (H, I, and J)
- Q4. Study Tour Report
- Q5. Viva
- Q6. Journal

Scheme of Practical Examination (distribution of marks): 25 marks for the Semester end examination

1. Identify, classify and describe features observed in specimen 8 Marks
2. Describe the internal structures of the given specimen 4 Marks
3. Identification of Specimen slides 6 Marks
4. Study Tour Report 2 Marks
5. Viva 2 Marks
6. Journal 3 Marks

Total 25 marks

Note: Same Scheme may be used for IA (Formative Assessment) examination

Books recommended.

1. Ashok Bendre and Ashok Kumar (2009) A textbook of practical botany, Rastakge Publications.
2. Sharma, O.P., and Sharma, K. D. (2017) Practical Botany-I, Pragathi Prakashan, Meerut.
3. Raghuram, M, and Rao, M. V. (2018) B. Sc. Practical Book of Botany First Year, Technical Publishers.
4. Verghese, N., Joy, P.P. Microbiology Laboratory Manual, Kerala Agricultural University.



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BOTANY PROJECT

WORK

2018-19

SUBMITTED BY

- Girish kolli 16S14330
- Pavankumar goudar 16S14366
- Rakesh mallapur16S14379
- Shankargouda patil 16S14395
- Punith naikar 16S14373

GUIDED BY

- Prof.C Choodamani(Department of botany)

a choodamani
Head of the Department
of Botany
R.T.E.S. Arts Science &
Commerce College
RANEENNUR-581115.



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FLORA OF COLLEGE CAMPUS

IMPORTANCE OF TREES



Trees are an important part of every community. Our streets, parks, playgrounds and backyards are lined with trees that create a peaceful, aesthetically pleasing environment. Trees increase our quality of life by bringing natural elements and wildlife habitats into urban settings. We gather under the cool shade they provide during outdoor

activities with family and friends. Many neighborhoods are also the home of very old trees that serve as historic landmarks and a great source of town pride.



Here is a report of some trees and there population in
our college

S.NO	NAME OF THE TREES	TOTAL NO OF TREES
1	ASHOKA TREE	17
2	BILVA TREE	01
3	BANNI TREE	02
4	CASSIA TREE	15
5	CHRISTMAS TREE	18
6	ALMOND TREE	01
7	BEETLE NUT TREE	08
8	NILGIRI TREE	05
9	GULMOHAR TREE	02
10	PAM TREE	06
11	MUTTU GADE	02
12	BIL PATRE	02
13	BASIA LATIFOLIA	01
14	COCONUT TREE	11
15	CUSTARD APPLE	04
16	JAMUN TREE	02
17	GAUVA TREE	04
18	LEMON TREE	03
19	CYCAS TREE	01
20	TABLE PAAM	04
21	NEEM TREE	12
TOTAL NO. OF TREES		121



STUDENTS OF OUR TEAM WHO PARTICIPATED IN THIS
PROJECT WORK



THANKING YOU



R.T.E.Society's
Arts, Science & Commerce Degree College, Ranebennur – 581 115

Department of Botany

Students enrolled for Project work for the year 2018-19

Sl.No	Name of the students	Class
1	GIRISH KOLLI	B.Sc.V Sem
2	PAVANKUMAR GOUDAR	B.Sc.V Sem
3	RAKESH MALLAPUR	B.Sc.V Sem
4	SHANKARGOUDA PATIL	B.Sc.V Sem
5	PUNITH NAIKAR	B.Sc.V Sem
6	RANJITA M	B.Sc.V Sem
7	RAKESH SALI	B.Sc.V Sem
8	RANJIT N KARJAGI	B.Sc.V Sem
9	RAJESHWARI A ATADKAR	B.Sc.V Sem
10	SACHIN DULEHOLE	B.Sc.V Sem
11	SAVITA SHIVANNANAVAR	B.Sc.V Sem
12	SHAHANWAZ KHAN SOUDAGAR	B.Sc.V Sem
13	SHANKARGOUDA S PATIL	B.Sc.V Sem
14	SHASHIKALA H CHAKRASALI	B.Sc.V Sem
15	SHRIDHAR G KULAKARNI	B.Sc.V Sem

C. Choudhary
Head of the Department
of Botany
R.T.E.S. Arts Science &
Commerce College
RANEENNUR-581115.



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Dept. of Zoology

SCHEME OF PRACTICAL EXAMINATION

1. Estimation	10
2. Identification-5	10
3. Project works report on ecology/wildlife biology	10
4. Viva connected with field work report	05
5. Journal	05
Total	40

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Commerce Degree College, RANEBENUR



SCHEME OF PRACTICAL EXAMINATION:

1.	Estimation	10
2.	Identification - 5	10
3.	Project work report on ecology/wildlife biology	10
4.	Viva connected with field work report	05
5.	Journal	05
Total		40




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RTES DEGREE COLLEGE

RANEBENNUR



**PROJECT WORK DEPARTMENT OF
ZOOLOGY**

2018-19

**SUBJECT : THE GREAT INDIAN
HORNBILL**

GUIDED BY :

CHETANA MELAGERI

SUBMITTED BY :

MAHADEVARADDY HOSALLI

REG NO : 19S15571


Head of the Department
of Zoology
R.T.E.S. Arts, Science &
Commerce College
RANEBENNUR-581115
HOD
BASAVARAJ KATENAHALLI


EXAMINER SIGNATURE




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since 2018. Conservation programmes have attempted to provide tribes with feathers from captive hornbills and ceramic casques to substitute for natural ones.

In Captivity :-

Very few hornbills are held in captivity and few of them breed well. Females at the nests are extremely easy to capture and birds caught in the wild are mostly female. Breeding them in captivity has been notoriously difficult with fewer than a dozen successful attempts. Their extreme selectivity for mates and their long and strong pair bonds make them difficult to maintain for breeding.



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Department of Zoology

Students enrolled for Project work for the year 2018-19

Sl.No	Name of the students	Class
1	MAHADVARADDY HOSALLI	B.Sc.V Sem
2	PAVANKUMAR GOUDAR	B.Sc.V Sem
3	RAKESH MALLAPUR	B.Sc.V Sem
4	SHANKARGOUDA PATIL	B.Sc.V Sem
5	PUNITH NAIKAR	B.Sc.V Sem
6	RANJITA M	B.Sc.V Sem
7	RAKESH SALI	B.Sc.V Sem
8	RANJIT N KARJAGI	B.Sc.V Sem
9	RAJESHWARI A ATADKAR	B.Sc.V Sem
10	SACHIN DULEHOLE	B.Sc.V Sem
11	SAVITA SHIVANNANAVAR	B.Sc.V Sem
12	SHAHANWAZ KHAN SOUDAGAR	B.Sc.V Sem
13	SHANKARGOUDA S PATIL	B.Sc.V Sem
14	SHASHIKALA H CHAKRASALI	B.Sc.V Sem
15	SHRIDHAR G KULAKARNI	B.Sc.V Sem


Head of the Department
of Zoology
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CH: 6.2-CHEMISTRY-VIII (Paper-II)**Proposed Syllabus for Semester-VI (Paper-II)**

No. of hours per week : 3
 Total No. of Hours : 40

Theory : 80 Marks
 I A : 20 Marks

INORGANIC CHEMISTRY**Analytical Chemistry:**

- Chromatography: Principle and applications of paper chromatography & Column chromatography. Calculation of R_f value. (2 Hrs)
- Ion Exchange Process: Principle, Types of Ion exchange resins and determination of Chlorides by ion exchange method. (2 Hrs)
- Flame Photometry: Principle, instrumentation and application. Flame Photometric determination of Na & K (2 Hrs)
- Thermogravimetry: Principle and application of Thermo-analytical methods (TG & DTA) (2 Hrs)
- Electrogravimetry: Principle, instrumentation and application. Electrogravimetric estimation of Cu. (2 Hrs)

Soil Chemistry:

Macro nutrients in soil, trace metals and organic matter in soil, Determination of pH, nitrogen (by alkaline permanganate method) & phosphorus (by Bray's & Olsen's method) present in the soil. (3 Hrs)

ORGANIC CHEMISTRY

1) **NMR Spectroscopy** – Proton Magnetic Resonance ($^1\text{H NMR}$) spectroscopy, Nuclear shielding and deshielding, Chemical shift and molecular structure. Spin – spin couplings. Interpretation of PMR spectra of simple organic molecules such as Ethyl bromide, Ethanol, Acetaldehyde and Toluene **4 hrs**

2) **Chemotherapy** :- Introduction, requirement of an ideal synthetic drug, Classification, Synthesis and uses of the following :

Analgesics – Aspirin, Analgin.

Antipyretics – Antipyrene, Paracetamol.

Anaesthetics – Novocaine (local) and Pentothal sodium (general).

Antihistamines – Chlorpheniramine maleate (CPM).

Antimalarials – Paludrine, Chloroquine.

Para pharmaceutical Reagents – Benedict's reagent, Blood grouping reagents, Sodium citrate, Baford reagent.

6hrs

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3) **Soaps & Detergents:-** Introduction, Soaps - manufacture by modern process, cleansing action of soap. Detergents - anionic, cationic and nonionic, with suitable examples - distinction between soaps and detergents. Emulsifiers, Stabilisers and Builders. 4hrs

PHYSICAL CHEMISTRY

1. **Photochemistry:** Photochemical reactions, laws of photochemistry; Lambert's law, Beer-Lambert's law, Grothus Drapper's law and Einstein's law of photochemical equivalence. Quantum efficiency. Experimental determination of quantum efficiency by chemical actinometers. Reasons for high and too low quantum efficiencies with examples. Fluorescence, phosphorescence, photosensitization, photo inhibitions and chemiluminescence. 7 Hrs

2. **Physical properties and molecular structure:** Optical activity, polarization (Clausius - Mossotti equation assumed). Orientation of dipoles in an electric field, dipole moment, induced dipole moment, measurement of dipole moment by temperature variation method. Dipole moment and structure of molecules 6 Hrs

CH (Pr): 6.3-Lab Course in Chemistry-VII (Inorganic)

Total No of hours /week : 4Hrs.

Pract. : 40 Marks

Total No. of 11 hours : 52Hrs.

I. A. : 10 Marks

I) Volumetric estimation

1. Preparation of aqueous Iron(III) solution from haematite ore or solid Fe_2O_3 and estimation of percentage of iron in the solution using standard $\text{K}_2\text{Cr}_2\text{O}_7$ solution (internal indicator method).
2. Preparation of aqueous solution of Cu and Zn from brass and estimation of percentage of Cu in the solution using standard $\text{Na}_2\text{S}_2\text{O}_3$ solution.
3. Preparation of calcium chloride solution from limestone and estimation of percentage of calcium in the solution by oxalate method.
4. Estimation of zinc using decinormal solution of potassium ferrocyanide solution. Standardization of the titrant is to be done with standard ZnSO_4 solution.

II. Gravimetric estimations

5. Estimation of barium as BaSO_4
6. Estimation of Al as Al_2O_3
7. Estimation of iron as Fe_2O_3

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8. Estimation of lead as $PbSO_4$

III. Preparation and determination of percentage yield of the following compounds:

9. Ni – DMG complex

10. Cis – Trans Bis oxalate diaqua chromate (III)

11. Hexamine cobalt(II) chloride.

IV. Ion exchange process:

12. Separation of Mg (II) and Fe (II) by ion exchange method.

Industrial study tour report or project work report is compulsory in VI-semester. The report carries 10 marks and it should be submitted in inorganic chemistry practicals (6.3-Lab Course).

The following projects may be considered

1. Soil analysis
2. Water analysis
3. Sewage water treatment and management
4. Ion exchange methods
5. Chromatography
6. Crystallization and assay
7. Preparation of organic compound / complex compound and assay
8. Effect of pesticides and insecticides
9. Milk analysis
10. Preparation of pharmaceutical compounds and assay
11. Chemical processes in; textile industries / Fertilizer industries/ Dairy industries / chemical industries / ceramic industries / sugar industries/ oil industries / solvent extraction / liquor industries
12. Alternate sources of generating electric power / engine fuel

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Re-Accredited by
NAAC 'B' Grade

Principal Sir
Ranebennur Taluka Education Society's

2018-19

ARTS, SCIENCE AND COMMERCE DEGREE COLLEGE

Dist : Haveri)

RANE BENNUR - 581 115

(State : Karnataka

(District Lead College)

Affiliated to Karnataka University

(Code 3212)

Email : Principal_rtescollege@yahoo.com Fax :08373-266461 ☎ 08373-266461 (C), 268447 (R), Mob: 9449121300

Ref. No. RTES : *114/2018-19*

Date : *18-03-2019*

To,
The GM
Essar Laboratories
Hubli.

Respected Sir,

Subject: Request to give permission to visit your esteem
Industry regarding.

With reference to the subject cited above, I would like to
bring to your kind notice that for B.Sc. VIth sem students Industrial
visit is compulsory, it is part of the curriculum of Karnataka
University Dharwad.

Therefore we request you to give the permission to our
students and staff members. (75 Students & 2 Staff members) to
visit Industry preferably March. 2019. We hope you will do the
needful and your positive response is solicited.

Thanking you

Yours faithfully

[Handwritten signature]

[Handwritten signature]
Principal

R.T.E.S. Society, Arts, Science &
Commerce Degree College, RANE BENNUR

Attested By

[Handwritten signature]
PRINCIPAL

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Commerce Degree College, RANE BENNUR

R.T.E.Society's Arts, Science & Commerce College, Ranebennur
Class: B.Sc.V Sem

Statement showing the students admitted to Chemistry Subject
during the academic year 2018-2019

Sl No.	Exam Seat No	Name of the Candidate
1	16S14303	ANJANA C NAGENAHALLI
2	16S14304	ANJU C. BILACHI
3	16S14305	ANUSHA N BARKI
4	16S14306	ARPITHA A M
5	16S14307	ARUN BEEMAPPA AJJER
6	16S14309	AYISHABHANU. B. M.
7	16S14312	CHAITRA RANGANAGOUDA PATIL
8	16S14315	CHETANA MALLESHPA KOONABEVA
9	16S14316	CHINMANI D M
10	16S14317	CHIRANJEEVI BARADUR
11	16S14318	DEEPA HEMAPPA BELAKERI
12	16S14319	DEEPA C. PATIL
13	16S14320	DEEPA NAGARAJA BILASANURMATH
14	16S14322	DEEPA V. BANAKAR
15	16S14328	FAKKEERAMMA KOLLERA
16	16S14330	GIRISH KOLLI
17	16S14331	GOURI G.
18	16S14333	HARISHGOUDA PATIL
19	16S14334	HONNAMMA MUDAKAPPA GUDIYAVAR
20	16S14335	JYOTHI CHALAWADI
21	16S14336	JYOTI BUDANUR
22	16S14337	KAVYA MEGUNDI
23	16S14339	KENCHAVVA R. BAVALLI
24	16S14340	KIRAN. K. S.
25	16S14343	KULSUM NAZ HARIHAR
26	16S14344	LAMBANI CHAITHRA
27	16S14345	LAVANYA RAMACHANDRA BYADAGI
28	16S14346	LAXMI DANDAGIHALLI
29	16S14348	MAHANTESH MALAGI
30	16S14349	MAHESH M. KATTIMANI
31	16S14351	MANGALA MATAD
32	16S14352	MANJUNATH M. HITTALAMANI
33	16S14353	MANJUNATH NELOGAL
34	16S14354	MANOHAR N ARALIKATTI
35	16S14356	MEGHA P. CHINNIKATTI
36	16S14357	MEGHANA B HULLATTER
37	16S14358	NAGARAJ OLEKAR
38	16S14359	NAGARATNA BOODIHAL
39	16S14360	NAGENDRAPPA V. GANGAMMANAVAR
40	16S14361	NANDA DESAI
41	16S14362	NIKHITA A NIRALAGI
42	16S14363	NOORJAHAN HARIHAR
43	16S14364	PALLAVI HIREMATH
44	16S14366	PAVANKUMAR H. GOUDAR
45	16S14367	PAVITRA MANEGAR

Sl No	Exam Seat No	Name of the Candidate
46	16S14369	POOJA M
47	16S14371	PRIYANKA KITTUR
48	16S14372	PRITHVI BASAVARAJ KAMMAR
49	16S14373	PUNITH NAIKAR
50	16S14374	RAGHAVENDRA ASHOKAPPA JANAGIRI
51	16S14375	RANJANI L. KARIGAR
52	16S14376	RAJESHWARI ATADAKAR
53	16S14377	RAJESHWARI. B. RAJANAHALLI
54	16S14378	RANJIT NAGAPPA KARJAGI
55	16S14379	RAKESH MALLAPUR
56	16S14380	RAKESH SALI
57	16S14381	RANJEETHA M.
58	16S14382	RANJITA CHAVHAN
59	16S14383	RAZA FARHIN ATTAR. N. A
60	16S14384	REKHA BANAKAR
61	16S14385	SACHIN BASAVARAJA SOPPIN
62	16S14386	SACHIN DHULEHOLI
63	16S14388	SANGEETA HAVERI
64	16S14390	SAVITA SHIVANNANAVAR
65	16S14392	SEEMA NAGARAJ HADARAGERI
66	16S14393	SHAHNAWAZ KHAN SOUDAGAR
67	16S14394	SHAMBHULINGA. H. CHAKRASALI
68	16S14395	SHANKARGOUDA S PATIL
69	16S14396	SHARPUNBI KANADAMANI
70	16S14397	SHASHIKALA. H. CHAKRASALI
71	16S14398	SHIVARAJ. H. POOJAR
72	16S14399	SHREEDHAR. P. NAMADEVA
73	16S14400	SHRIDHAR. G. KULKARNI
74	16S14401	SHWETA MUDIGOUDRA
75	16S14402	SUDHA KARILINGAPPANAVAR
76	16S14403	SULEMAN MARDANSAB BUDDAMMANAVAR
77	16S14404	SUNILKUMAR BARKI
78	16S14405	SUPRITA KOPARDE
79	16S14406	SURESH ODEYAR
80	16S14408	TARANNUMEKBALSAB KATHARI
81	16S14409	TILAKESH MALAGI
82	16S14410	USHA KATAGI
83	16S90001	PRATIBHA SANNADYAVANNANAVAR
84	15S12933	MEGHANA C PATIL
85	16S14329	FARHAT BANU. S. KOTWAL
86	16S14407	TANZIYA MULLA

Male- 30

Female- 56

Total 86 students Total- 86 attended industrial tour
 Remaining students attended project work

Attested By

PRINCIPAL

R.T.E.S. Society's Arts, Science &
 Commerce College RANEBENNUR

Roll No.

Examination Seat No. 12513418.

Ranebennur Taluka Education Society's



Re-Accredited by
NAAC 'B' Grade

Arts, Science & Commerce Degree College,
Ranebennur - 581 115

Dist : Haveri.

Karnataka : State

Department of Chemistry

Industrial Tour Report

This is to Certify that Sri Deepa H. Hale

Of B.Sc. VI Sem has satisfactorily completed the INDUSTRIAL TOUR under the Guidance of Staff members of the Department of Chemistry of our college, for practical fulfillment of the academic requirements of the Bachelor of Science part VI Sem Examinations, conducted by Karnataka University Dharwad for the academic year 2018-19

[Handwritten Signature]

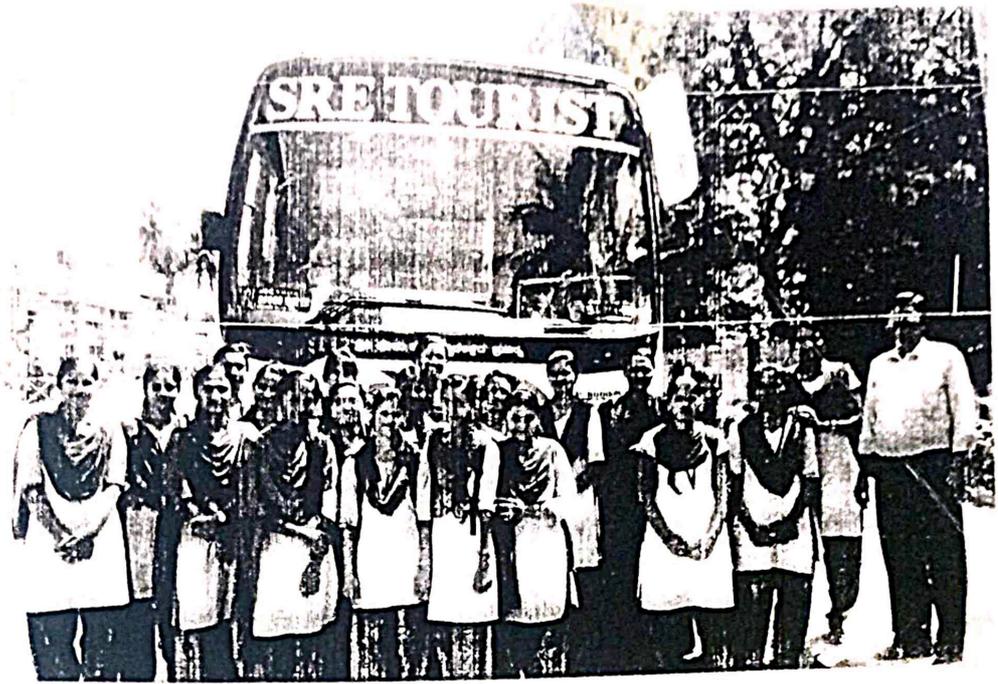
Signature of the Staff Incharge

[Handwritten Signature]
Head of the Dept. of Chemistry
Signature of H.O.D. of Chemistry.
Arts & Science College
RANEBENNUR

[Handwritten Signature]
Sign of Examiner.



[Handwritten Signature]
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Commerce Degree College, RANEBENNUR



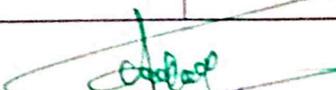

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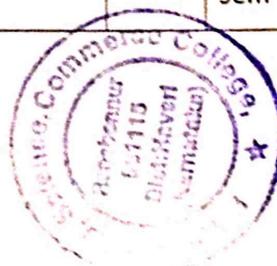
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List of students who completed field work of academic year 2017-18

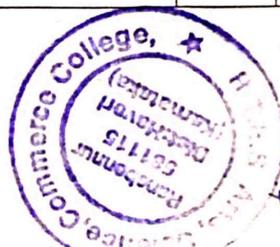
Field work /project work conducted

Sl No	Name of the student	Course	Reporting to	Batch	Semester	Work
1	MOHAMMED HAEZULLA MULLA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
2	ABDUL KHUDDUSH KHAZI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
3	ABHUIT H JIGALI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
4	ABHISHEK YALIGAR URF BHADRAMMANAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
5	ADARSH. S.	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
6	AISHWARYA M.B.	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
7	AMRUTA S HIREMATH	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
8	ANJUM I HARIHAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
9	ANNAPURNA S SURAVANNI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
10	ARPITHA G.M.	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
11	ARUN B.M.	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
12	ARUN HAROGOPPA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
13	ARUNKUMAR BASANAGOUDRA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
14	ASHA MARKALLIYAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
15	ASMA HAVANUR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work


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16	BASAVARAJA U KAMADHODA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
17	BASAVARAJAYYA V MATHAD	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
18	BEERESH H SIRIGERI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
19	BHARATI C YARAVINATALI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
20	BEEBISABIHA NINGADEVARAKOPPA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
21	BIBI SOFIA M MULLA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
22	DARSHAN H MUDADEVANNANAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
23	DEEPOA M MAGI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
24	DEEPIKA S KALAL	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
25	DIVYA T CHOUHAN	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
26	FAKRUSAB NEGALUR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
27	GADDIGOUDAR KAVYA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
28	GEETA S KONANATAMBIGI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
29	GOUTAM P PAWAVALKAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
30	GURUNATH B SANKANNANAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
31	H.B. MAHENBDRA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
32	HALESHA KUSAGUR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
33	HANUMANTHAPPA P BOVI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work



[Signature]
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 R.T.E. Sec. to In-charge A
 Commerce Dept. H. B. Mahendrabdra

34	JAYASHREE K NAGAPPANAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
35	JYOTHI I PATIL	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
36	JYOTHI VEERANNA SHETTAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
37	K.B. RENUKA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
38	KAVITA N CHAVADANNANAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
39	KAVITA MUDIGOUDRA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
40	KEERTI J MADIWALAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
41	LAKSHMIBAI D REVADIHAL	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
42	LINGARAJ HULAMANI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
43	MAHANTESH HAVANOORU	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
44	MALLIKARJUNA GOUDA KURUVATTI GOUDRA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
45	MEGHA M BADIGER	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
46	MEGHANA SHASHIDHARAAYYA MATHAD	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
47	MOHAMMED ANSAAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
48	MOHAMMAED SAHEB CHIKKERUR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
49	MOHSINBANU LOHAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
50	MUTTAYTYA R HIREMATH	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
51	NATARAJ RAMESH BADANIKAYI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work

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52	NAVEEN SHIVAREDDY SHIVARADDER	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
53	NAVEENKUMAR H SHIRALLI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
54	NAYANA R GURAPALAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
55	NAJIYATAJ RANGWALE	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
56	NEEDA KHANUM	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
57	NIVEDITA K	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
58	P SHWETHA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
59	POOJA N KARABANNANAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
60	POOJA N VEERAPUR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
61	POOJA V BENAKANAKONDA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
62	POORNIMA K KOTTUR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
63	PRASHANTHA BIDARI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
64	PRAVEEN KOTIHAL	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
65	PRAVEEN S INGALE	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
66	PREETI VEERANAGOUDA PATIL	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
67	RADHA ANANDAPPA MANAKUR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
68	RAGHU KATENAHALLI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
69	RANJITHA KARIYAMMANAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work

Principal
Rameshwar
Dishaveni
(Karnataka)



70	RANJITHA BASANAGOUDA PATIL	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
71	RANJITHA P.M.	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
72	REVANASIDDAPPOA S NIMBANNANAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
73	ROHINI MANJAPPA YALAVATTI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
74	ROOPA S ADAVER	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
75	ROOPA S ADAVER	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
76	SACHIN KULAKARNI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
77	SAHANA UKKUNDA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
78	SAMARATA A KAPALERA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
79	SANTOSH H HADAGALI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
80	SATEESH YALLARADDI KENCHARADDI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
81	SEEMA DODDAMANI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
82	SHARATBABU M SHREEGANI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
83	SHIVARAJ N DEVARAMANI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
84	SHOBHA BHEEMAPPA ANKASAPUR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
85	SHUBHANGI NANDAKUMAR DESHAPANDE	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
86	SHWETHA M SIDDANNANAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
87	SIMRANBANU A MULLA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work


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88	SMITHA PATIL	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
89	SOUBHAGYA K BADIGER	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
90	SOUMYA DYAVANKALAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
91	SUSHMA SUBHAS BAIROJIYAVAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
92	SUSHMA SUNAGAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
93	SHWATI G SHETTAR	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
94	TANZIYAKHANNUM KARAJGI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
95	VARSHA M NADIGER	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
96	VEERABHADRAYYA S PATIL	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
97	VIDYA RUDRAGOUDA PATIL	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
98	VIDYA RUDRAGOUDA PATIL	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
99	VIJAYALAKSHMI M KANDLI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
100	YASHODHA N KALYALA	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
101	ZIKRIYA RATTIHALLI	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
102	GOURAV DEVARAJ GOLIKATTE	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work
103	SHREEDHAR HEDIYAL	B.Sc.(Chem)	Prof.R.D.Nayak	17-18	B.Sc.V sem	Industrial Tour Report / Project Work




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CH: 6.2-CHEMISTRY-VIII (Paper-II)**Proposed Syllabus for Semester-VI (Paper-II)**

No. of hours per week : 3
 Total No. of Hours : 40

Theory : 80 Marks
 I A : 20 Marks

INORGANIC CHEMISTRY**Analytical Chemistry:**

- Chromatography: Principle and applications of paper chromatography & Column chromatography. Calculation of R_f value. (2 Hrs)
- Ion Exchange Process: Principle, Types of Ion exchange resins and determination of Chlorides by ion exchange method. (2 Hrs)
- Flame Photometry: Principle, instrumentation and application. Flame Photometric determination of Na & K (2 Hrs)
- Thermogravimetry: Principle and application of Thermo-analytical methods (TG & DTA) (2 Hrs)
- Electrogravimetry: Principle, instrumentation and application. Electrogravimetric estimation of Cu. (2 Hrs)

Soil Chemistry:

Macro nutrients in soil, trace metals and organic matter in soil,
 Determination of pH, nitrogen (by alkaline permanganate method) & phosphorus (by Bray's & Olsen's method) present in the soil. (3 Hrs)

ORGANIC CHEMISTRY

1) **NMR Spectroscopy** – Proton Magnetic Resonance ($^1\text{H NMR}$) spectroscopy, Nuclear shielding and deshielding, Chemical shift and molecular structure. Spin – spin couplings. Interpretation of PMR spectra of simple organic molecules such as Ethyl bromide, Ethanol, Acetaldehyde and Toluene **4 hrs**

2) **Chemotherapy** :- Introduction, requirement of an ideal synthetic drug, Classification, Synthesis and uses of the following :

Analgesics – Aspirin, Analgin.

Antipyretics – Antipyrene, Paracetamol.

Anaesthetics – Novocaine (local) and Pentothal sodium (general).

Antihistamines – Chlorpheniramine maleate (CPM).

Antimalarials – Paludrine, Chloroquine.

Para pharmaceutical Reagents – Benedict's reagent, Blood grouping reagents, Sodium citrate, Baford reagent.

6hrs

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3) **Soaps & Detergents:-** Introduction, Soaps - manufacture by modern process, cleansing action of soap. Detergents - anionic, cationic and nonionic, with suitable examples - distinction between soaps and detergents. Emulsifiers, Stabilisers and Builders. 4hrs

PHYSICAL CHEMISTRY

1. **Photochemistry:** Photochemical reactions, laws of photochemistry; Lambert's law, Beer-Lambert's law, Grothus Drapper's law and Einstein's law of photochemical equivalence. Quantum efficiency. Experimental determination of quantum efficiency by chemical actinometers. Reasons for high and too low quantum efficiencies with examples. Fluorescence, phosphorescence, photosensitization, photo inhibitions and chemiluminescence. 7 Hrs

2. **Physical properties and molecular structure:** Optical activity, polarization (Clausius - Mossotti equation assumed). Orientation of dipoles in an electric field, dipole moment, induced dipole moment, measurement of dipole moment by temperature variation method. Dipole moment and structure of molecules 6 Hrs

CH (Pr): 6.3-Lab Course in Chemistry-VII (Inorganic)

Total No of hours /week : 4Hrs.

Pract. : 40 Marks

Total No. of 11 hours : 52Hrs.

I. A. : 10 Marks

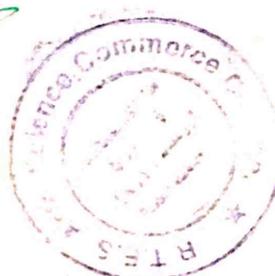
I) Volumetric estimation

1. Preparation of aqueous Iron(III) solution from haematite ore or solid Fe_2O_3 and estimation of percentage of iron in the solution using standard $\text{K}_2\text{Cr}_2\text{O}_7$ solution (internal indicator method).
2. Preparation of aqueous solution of Cu and Zn from brass and estimation of percentage of Cu in the solution using standard $\text{Na}_2\text{S}_2\text{O}_3$ solution.
3. Preparation of calcium chloride solution from limestone and estimation of percentage of calcium in the solution by oxalate method.
4. Estimation of zinc using decinormal solution of potassium ferrocyanide solution. Standardization of the titrant is to be done with standard ZnSO_4 solution.

II. Gravimetric estimations

5. Estimation of barium as BaSO_4
6. Estimation of Al as Al_2O_3
7. Estimation of iron as Fe_2O_3

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8. Estimation of lead as $PbSO_4$

III. Preparation and determination of percentage yield of the following compounds:

9. Ni – DMG complex

10. Cis – Trans Bis oxalate diaqua chromate (III)

11. Hexamine cobalt(II) chloride.

IV. Ion exchange process:

12. Separation of Mg (II) and Fe (II) by ion exchange method.

Industrial study tour report or project work report is compulsory in VI-semester. The report carries 10 marks and it should be submitted in inorganic chemistry practicals (6.3-Lab Course).

The following projects may be considered

1. Soil analysis
2. Water analysis
3. Sewage water treatment and management
4. Ion exchange methods
5. Chromatography
6. Crystallization and assay
7. Preparation of organic compound / complex compound and assay
8. Effect of pesticides and insecticides
9. Milk analysis
10. Preparation of pharmaceutical compounds and assay
11. Chemical processes in; textile industries / Fertilizer industries/ Dairy industries / chemical industries / ceramic industries / sugar industries/ oil industries / solvent extraction / liquor industries
12. Alternate sources of generating electric power / engine fuel

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Re-Accredited by
NAAC 'B' Grade

Ranebennur Taluka Education Society's

2017-18.

ARTS, SCIENCE AND COMMERCE DEGREE COLLEGE

Dist : Haveri)

RANE BENNUR - 581 115

(State : Karnataka

(District Lead College)

Affiliated to Karnataka University

(Code 3212)

Email : Principal_rtescollege@yahoo.com Fax :08373-266461 (C) 08373-266461 (C), 268447 (R), Mob: 9449121300

Ref. No. RTES : 158/17-18

Date : 26/02/2018

To,
The GM
Karnataka Soaps and
Allied Industry,
Hunasikatti Road,
Ranebennur.

Respected Sir,

Subject: Request to give permission to visit your esteem
Industry regarding.

With reference to the subject cited above, I would like to
bring to your kind notice that for B.Sc. VIth sem students Industrial
visit is compulsory, it is part of the curriculum of Karnataka
University Dharwad.

Therefore we request you to give the permission to our
students and staff members. (90 Students & 4 Staff members) to
visit Industry preferably March 2018. We hope you will do the
needful and your positive response is solicited.

Thanking you


Principal
RANE BENNUR C.C.

Yours faithfully


Principal
R.T.E.Society's Arts, Science &
Commerce College, RANE BENNUR



Karnataka Soaps & Allied Industries

Manufacturers of : Detergent cakes & powder.

Office : No. 24, Anjuman Complex, opp: Lions School, Medleri Road,
Dist:Haveri. **RANEENNUR - 581115.** State: karnataka.
Fax : 08373-267122, Mo:9844232346, 9844198881, 9844407673, 9242123352
Factory:Hunasikatti Road, Ranebennur-581 115.

Ref. No.....

Date : 4/3/2018

To,
Principal,
R.T.E.S. Degree College,
RANEENNUR.

Sir,

Sub:- Visit to Karnataka soaps & Allied Industries.

With reference to the above subject is approved on
dt: 05-03-2018 for 90 students of B.Sc. VI Sem. & 04 Staff members
as per your request you may plan accordingly. You have reach the
plant site well before 10.30 Hrs on the visit, so as enable us to make
proper arrangements.

Thanking You,

Wellabe

Yours faithfully

Karnataka Soaps & Allied Industries
Ranebennur Layout Near Radhakrishna Temple
Hunasikatti Road, RANEENNUR-581115

R.T.E.Society's Arts, Science & Commerce College, Ranebennur
Class: B.Sc.V Sem

Statement showing the students admitted to Chemistry
Subject during the academic year 2017-2018

Sl.No	Exam Seat No	Name of the Candidate
1	3	4
1	14S13841	MOHAMMEDHAEZULLA MULLA
2	15S13601	ABDUL KHUDDUSKHAZI
3	15S13602	ABHIJITH. H. JIGALI
4	15S13603	ABHISHEK YALIGAR URF BHADRAMMANAVAR
5	15S13604	ADARSH S.
6	15S13605	AISHWARYA M. B
7	15S13606	AMRUTA S HIREMATH
8	15S13607	ANJUM I. HARIHAR
9	15S13608	ANNAPURNA S. SURAVANNI
10	15S13609	ARPITHA G. M
11	15S13610	ARUN B M
12	15S13611	ARUN HAROGOPADA
13	15S13612	ARUNKUMAR BASANAGOUDARA
14	15S13613	ASHA MARKALLIYAVAR
15	15S13614	ASMA HAVANUR
16	15S13615	BASAVARAJA U. KAMADHODA
17	15S13616	BASAVARAJAYYA V. MATHAD
18	15S13617	BEERESH H. SIRIGERI
19	15S13618	BHARATI C. YARAVINATALI
20	15S13619	BEEBISABIHA NINGEDEVARKOPPA
21	15S13620	BIBI SOFIYA M. MULLA
22	15S13622	DARSHAN H. MUDADEVANNANAVAR
23	15S13623	DEEPA M. MAGI
24	15S13624	DEEPIKA S. KALAL
25	15S13625	DIVYA T. CHOUHAN
26	15S13626	FAKRUSAB NEGALUR
27	15S13627	GADDIGOUDAR KAVYA
28	15S13628	GEETA S. KONANATAMBIGI
29	15S13629	GAUTAM P. PADAVALKAR
30	15S13630	GURUNATH B. SANKANNANAVAR
31	15S13632	H. B. MAHENDRA
32	15S13633	HALESHA KUSAGUR
33	15S13634	HANUMANTAPPA R. BOVI
34	15S13635	JAYASHREE K. NAGAPPANAVAR
35	15S13636	JYOTHI I. PATIL
36	15S13637	JYOTI VEERANNA SHETTAR
37	15S13638	K. B. RENUKA
38	15S13640	KAVITA N. CHAVADANNANAVAR
39	15S13641	KAVITA MUDIGOUDRA



Sl No	Exam Seat No	Name of the Candidate
40	15S13642	KEERTI J MADIWALAR
41	15S13643	LAKSHMIBAI D REVADIHAL
42	15S13644	LINGARAJ HULMANI
43	15S13645	MAHANTESH HAVANOCORU
44	15S13646	MALLIKARJUNAGOUDA KURUVATTIGOUDRA
45	15S13647	MEGHA M BADIGER
46	15S13648	MEGHANA SHASHIDARAYYA MATHAD
47	15S13649	MOHAMMED ANSAAR
48	15S13650	MOHAMMED SHOAB CHIKKERUR
49	15S13651	MOHSINABANU LOHAR
50	15S13652	MUTTAYYA R HIREMATH
51	15S13653	NATARAJ RAMESH BADANIKAYI
52	15S13654	NAVEEN SHIVAREDDY SHIVAREDDER
53	15S13655	NAVEENKUMAR H SHIRALLI
54	15S13656	NAYANA R GURAPPALAVAR
55	15S13657	NAJIYATAJ RANGWALE
56	15S13658	NEEDA KHANUM
57	15S13659	NIVEDITA K
58	15S13660	P. SWETHA
59	15S13661	POOJA N KARABANNANAVAR
60	15S13662	POOJA N VEERAPUR
61	15S13663	POOJA V BENAKANAKONDA
62	15S13664	POORNIMA K KOTTUR
63	15S13666	PRASHANTHA BIDARI
64	15S13667	PRAVEEN KOTIHAL
65	15S13668	PRAVEEN S INGALE
66	15S13669	PREETI VEERANAGOUDA PATIL
67	15S13670	RADHA ANANDAPPA MANAKUR
68	15S13671	RAGHU KATENAHALLI
69	15S13672	RANJITHA KARIYANNANAVAR
70	15S13673	RANJITHA BASANAGOUDA PATIL
71	15S13674	RANJITA P M
72	15S13675	REVANASIDDAPPA S NIMBANNANAVAR
73	15S13676	ROHINI MANJAPPA YALAVATTI
74	15S13677	ROOPA S ADAVER
75	15S13678	SACHIN KULKARNI
76	15S13679	SAHANA UKKUNDA
77	15S13680	SAMARATA A KAPALERA
78	15S13681	SANTOSH H HADAGALI
79	15S13682	SATEESH YALLARADDI KENCHARADDI
80	15S13684	SEEMA DODDAMANI
81	15S13685	SHARATBABU M SHREEGANI
82	15S13686	SHIVARAJ N DEVARAMANI
83	15S13687	SHOHA BHEEMAPPA ANKASAPUR



Sl No	Exam Seat No.	Name of the Candidate
84	15S13688	SHUBHANGI NANDAKUMAR DESHAPANDE
85	15S13690	SHWETHA. M. SIDDANNANAVAR
86	15S13691	SIMRANBANU. A. MULLA
87	15S13692	SMITHA. PATIL
88	15S13693	SOUBHAGYA. K. BADIGER
89	15S13694	SOUMYA DYAVANKKALAVAR
90	15S13696	SUMA. R B
91	15S13697	SUSHMA SUBHAS BAIROJIOYAVAR
92	15S13698	SUSHMA SUNAGAR
93	15S13699	SWATI. G. SHETTAR
94	15S13700	TANZIYAKHANNUM KARAJGI
95	15S13701	ULAVESHA SURANAGI
96	15S13702	VARSHA. M. NADIGERA
97	15S13703	VEERABHADRAYYA. S. PATIL
98	15S13704	VIDYA. RUDRAGOUDA. PATIL
99	15S13705	VIJAYALAKSHMI. M. KANDLI
100	15S13706	YASHODHA. N. KALYALA
101	15S13707	ZIKRIYA RATTIHALLI
102	15S14618	GOURAV DEVARAJ GOLIKATTE
103	15S13695	SHREEDHAR HEDIYAL

Male- 43

Female- 60

Total number of Total- 103 Student attended industrial tour = 90

Remaining students attended project report = 13



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KARNATAKA UNIVERSITY, DHARWAD



RANEBENNUR TALUK EDUCATION SOCIETY



Arts, Science & Commerce Degree College,

RANEBENNUR – 581115

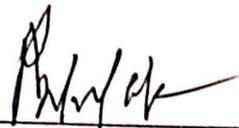
Dist: Haveri

State: Karnataka

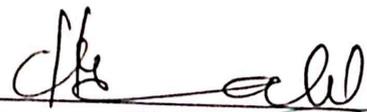
Department Of Chemistry

Industrial Tour Report

This is to certify that Mr/Mrs Deepika SK Reg No. 15513621 of B.Sc. VI Sem has satisfactorily completed the **INDUSTRIAL TOUR** under the guidance of staff members of the department of chemistry of our college, for practical fulfillment of the academic requirements Bachelor of Science part VI Sem Examinations, conducted by Karnataka University Dharwad for the academic year 2017-2018



Signature of the Staff Incharge



Signature of H.O.D. of Chemistry



Sign of Examiner



date: _____

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INDEX

1. Profile
2. Introduction
3. History
4. Soaps and Detergents
 - 4.1 Manufacturing of soap by modern process
 - 4.2 Cleansing action of soap
 - 4.3 Detergents
5. References



PROFILE

Country : India
Status : Operational
Construction began : 1957
Commission date : 22-03-2018
Operative : Sigma Mixture Container



HISTORY

Timeline history of soap

1861- Belgian chemist Ernest Solvay's process, using common table salt, or sodium chloride, to make soda ash, further reduces the cost and increased quality and quantity of soda ash for soap manufacturing.

1916 - First synthetic detergents developed in Germany in response to shortage of fats for making soap during World War I.

1930 - Production of synthetic household detergents begins in U.S.

1940 - Synthetic detergents advanced by adding phosphate compounds that improve detergent performance and ability to clean heavily soiled laundry.

1953 - Sales of synthetic detergent in U.S. surpass those of soap.

1960 - Development and marketing of automatic dishwasher powders.

1970 - Development and marketing of liquid and soaps.

1980 - Development and marketing of cold water detergents.

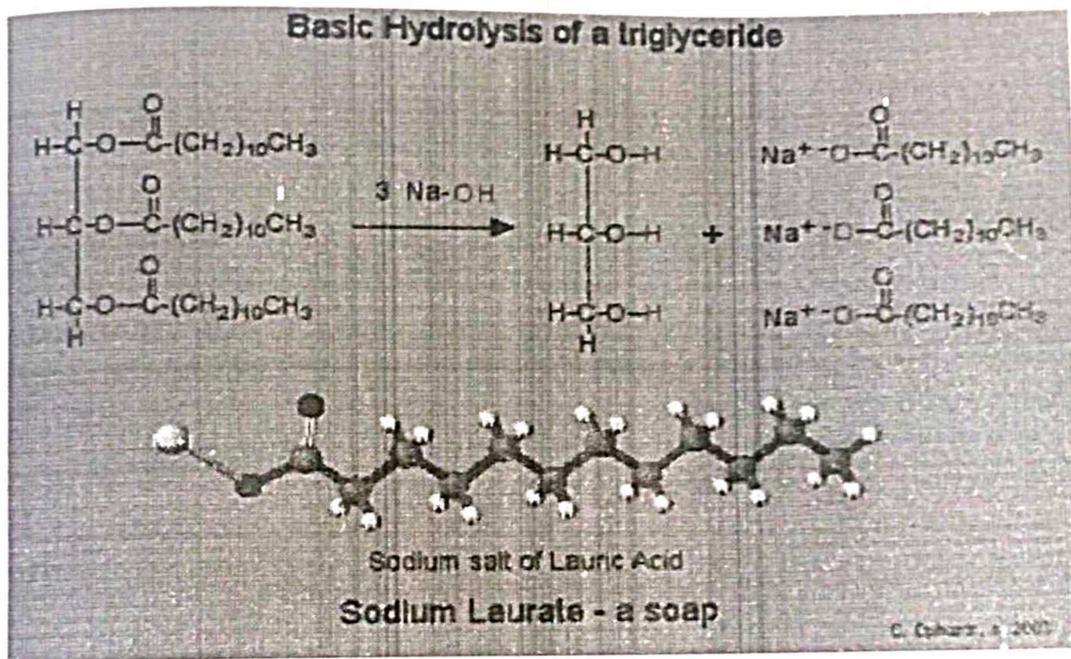
1990 - Development and marketing of super-concentrated powder.

2000 - Development and marketing of disposable cleaning wipes and eco-friendly detergents.



SOAPS AND DETERGENTS

Soaps are sodium potassium salts of higher fatty acids like stearic acid, palmitic acid, oleic acid, etc. They are obtained by the alkaline hydrolysis of oils and fats.



TYPES OF SOAPS

- Washing soaps
- Metallic soaps
- Transparent soaps
- Shaving soaps
- Floating soaps
- Liquid soaps



MANUFACTURING OF SOAP BY MODERN PROCESS

In this method an oil (coconut oil, cotton seed oil, corn oil, palm oil and castor oil) or a fat (like hallow, lard and grease) is first hydrolysed into glycerol and fatty acids which are then neutralized by adding alkali to form soap. This process is quicker and economical and makes the recovery of by-product glycerol easier.

The hydrolyser process consists of

- Hydrolysis of fat with water in the presence of zinc oxide as catalyst at high temperature and pressure.
- Distillation of fatty acids under vacuum.
- Neutralisation of the condensed fatty acids with alkali.



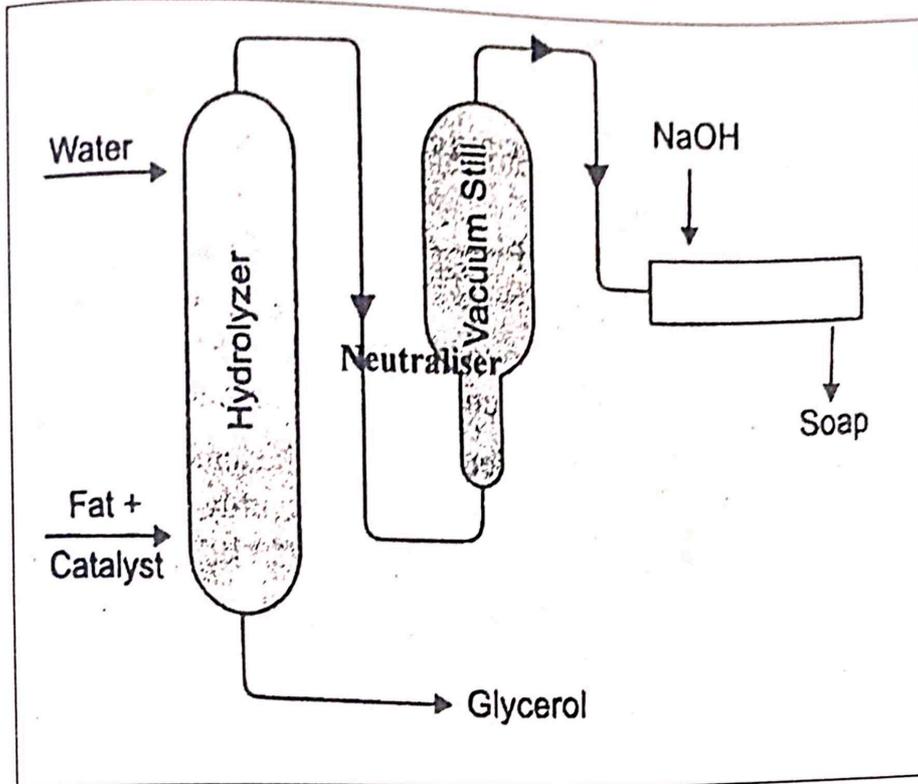


Fig: Hydrolyser Process

The fat mixed with zinc oxide and water are heated to 230 to 250°C under 40-45 atm pressure in the hydrolyser. The fatty acids thus produced rise to a surface and are drawn out at the top. While glycerol is removed in water leaving at the bottom. The water vapourises, cooling the fatty acids, which are then vacuumed distilled in the vacuum still. The vapours of fatty acids are passed through water condenser. The condensed fatty acids are neutralized in neutralizer and finally with sodium hydroxide to get the soap.



CLEANSING ACTION OF SOAP

The cleaning action of the soap is called its detergent action or detergency

- Wetting: The result from lowering of the surface tension of water by mixing soap with it. On this account the oil droplets of the dirt are wetted on the surface and from a colloidal suspension in the medium of water.
- Emulsification: Soaps have a large non-polar hydrocarbon tail that is oil-soluble and polar part that is water-soluble.

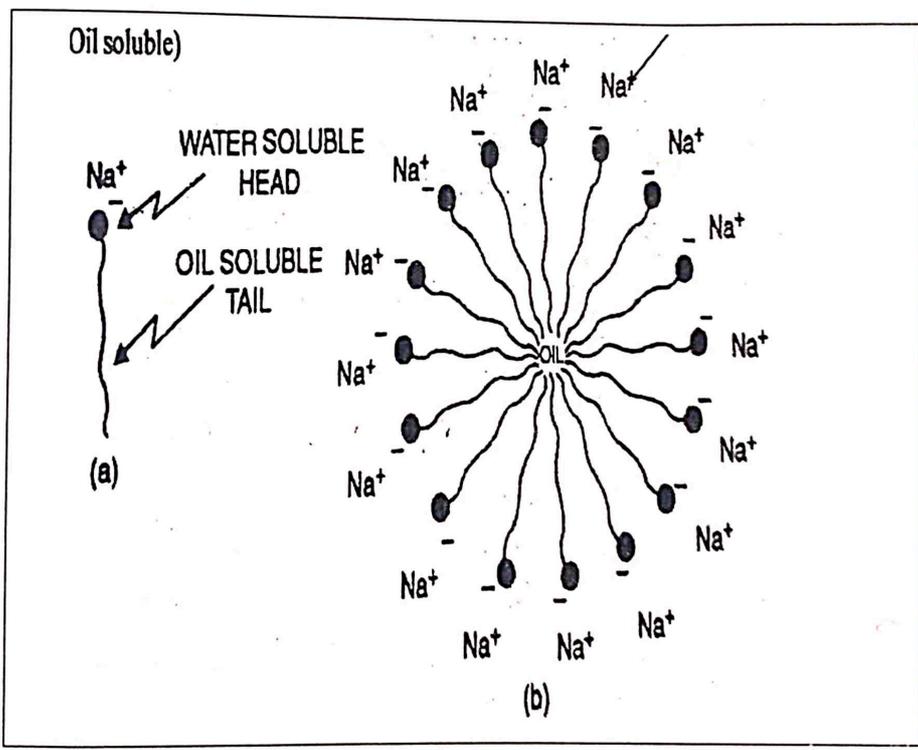


Fig: (a) A soap molecule (b) Emulsified grease globule



DETERGENTS

These are sodium salts of long-chain hydrogen sulphates or sodium salts of long-chain alkyl benzene sulphonic acids. These are actually surfaced active agents or surfactants.

Classification of detergents:

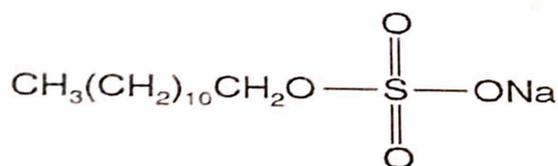
1. ANIONIC DETERGENTS

These substances contain negatively charged water soluble group attached to the long polar hydrocarbon chain.

There are of two types:

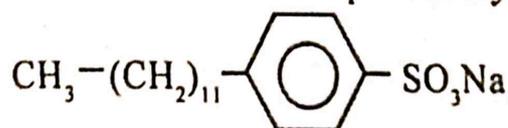
- a) Sodium alkyl sulphates: These are the sulphonic esters of the long-chain alcohols like lauryl alcohol.

Eg: sodium lauryl sulphate



- b) Sodium alkyl benzene sulphonates: The most widely used detergents are the sodium salts of the alkyl benzene sulphonic acids

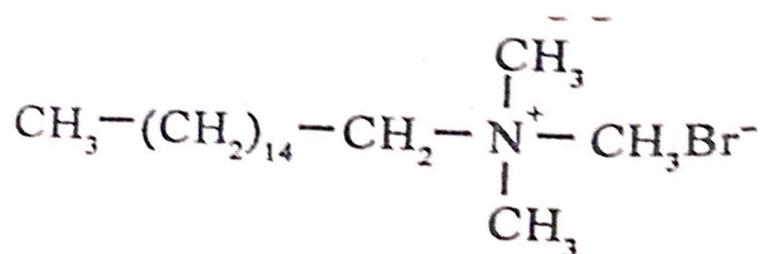
Eg: sodium p-n dodecyl benzene sulphonate



2. CATIONIC DETERGENTS

These substances contain positively charged water soluble group attached to the the non-polar hydrocarbon chain

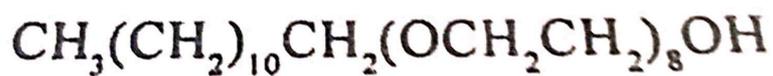
Eg: Trimethyl stearyl ammonium bromide



3. NEUTRAL OR NON-IONIC DETERGENTS

These substances contains non-ionic polar groups that can make hydrogen bends with water.

Eg: lauryl alcohol ethoxylate



EMULSIFIERS

Any substance which is added to the emulsion to stabilize is termed as an emulsifier. Eg: Soap or detergent has this effect can act as an emulsifiers.

BUILDERS

The cleansing the power of detergents is increased by certain substances called builders.

STABILIZERS

The emulsion or colloid formed maybe broken, in order to stabilize the emulsion formed some intermediates are used. These intermediates are called stabilizers. Eg: Salts of sodium or potassium, soap and detergents can be used as stabilizers.

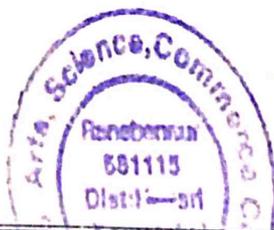
Soaps	Detergents
1. These are bio-degradable	1. Some of these are bio-degradable
2. These cannot be used in acidic solution	2. These can be used in acidic solution
3. These are not excellent foaming agents	3. These are excellent foaming agents
4. These cannot be used for washing delicate clothes like silk and wool	4. These can be used for washing delicate clothes like silk and wool

Table: Difference between soaps and detergents



REFERNCES

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2. Amphiphiles as surfactants URL
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Accessed August 21, 2004
3. Anlansson, EAG; Wall, SN; Almgren, M; Hoffman, H; Ulbricht, W; Zana, R; Lang, J; Tondre, C. J. Phys. Chem. vol 80, number 9, 905-922. 1976.
4. Anmin, Tan; Ziegler, Andre; Steinbauer, Bernhardt; Seelig, Joachim. Biophys J. 2002. 83: 1547-1556.
5. Applications URL <http://www.fdsc.com.tw/application.html> Future Digital Scientific Asia, Inc. August 14, 2004 accessed August 21, 2004



Industrial visit to Karnataka Soap and Allied Industries



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