

B.Sc GEOLOGY CURRICULUM



Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
(Deemed to be University)
Maduravoyal, Chennai - 600 095, Tamilnadu, India.
(An ISO 9001 : 2015 Certified Institution)



Department of Civil Engineering

B.Sc., Geology

(With effect from Academic year 2018-onwards)

Curriculum

SEMESTER I						
S.NO	SUBJECT	TITLE OF THE SUBJECT	L	T	P	C
1.	HBTA17001	Tamil/Hindi/French-I	3	0	0	3
2.	HBEN17001	English-I	3	0	0	3
3.	HBPH17A01	Allied Paper I Physics I	4	0	0	4
4.	HBGE18001	General Geology	4	0	0	4
5.	HBGE18002	Crystallography	3	1	0	4
6.	HBGE18L01	Crystallography and General Geology Lab	0	0	3	2
		Total	17	1	3	20

SEMESTER II						
S.NO	SUBJECT	TITLE OF THE SUBJECT	L	T	P	C
1.	HBTA17002	Tamil/Hindi/French-II	3	0	0	3
2.	HBEN17002	English-II	3	0	0	3
3.	HBMA18A05	Allied Paper II Basics of Mathematics and statistics	3	1	0	4
4.	HBPH17A02	Allied Paper III Physics II	4	0	0	4
5.	HBGE18003	Mineralogy	3	1	0	4
6.	HBGE18L02	Professional Skills I Mineralogy lab	0	0	3	2
7.	HBPH17AL1	Allied Lab I Physics lab	0	0	3	2
		Total	16	2	6	22

SEMESTER III						
S.NO	SUBJECT	TITLE OF THE SUBJECT	L	T	P	C
1.	HBCH18A03	Allied Paper IV Chemistry (For Geology and Surveying and Spatial	4	0	0	4
2.	HBGE18004	Environmental Geology	3	0	0	3
3.	HBGE18005	Geomorphology	3	0	0	3
4.	HBGE18006	Palaeontology	3	1	0	4
5.	HBMG17L01	Soft Skills I	0	1	1	2
6.	HBCH18AL1	Allied Lab II Chemistry lab	0	0	3	2
7.	HBGE18L03	Palaeontology Lab	0	0	3	2
		Total	13	2	7	20



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SEMESTER IV						
S.NO	SUBJECT	TITLE OF THE SUBJECT	L	T	P	C
1.	HBGE18007	Igneous and Metamorphic Petrology	3	1	0	4
2.	HBGE18008	Structural Geology and Sedimentary Petrology	3	1	0	4
3.	HBGE18009	Surveying	3	1	0	4
4.	HBGE18010	Disaster Mitigation and Management	3	0	0	3
5.	HBMG17L02	Soft Skills II	0	1	1	2
6.	HBGE18L04	Petrology Lab	0	0	3	2
7.	HBGE18L05	Structural geology and Survey Lab	0	0	3	2
Total			12	4	7	21

SEMESTER V						
S.NO	SUBJECT	TITLE OF THE SUBJECT	L	T	P	C
1.	HBGE18011	Stratigraphy and Indian Geology	4	0	0	4
2.	HBGE18012	Economic geology	3	1	0	4
3.	HBGE18013	Hydrogeology	3	1	0	4
4.	HBGE18014	Applied geology	4	0	0	4
5.	HBGE18015	Soil mechanics	3	1	0	4
6.	HBGE18L06	Field geology	0	0	3	2
7.	HBGE18L07	Soil lab	0	0	3	2
Total			17	3	6	24

SEMESTER VI						
S.NO	SUBJECT	TITLE OF THE SUBJECT	L	T	P	C
1.	HBMG17G01	Entrepreneurial Development	3	0	0	3
2.	HBGE18016	Remote sensing and GIS	3	1	0	4
3.	HBGE18017	Mining Geology	3	1	0	4
4.	HBGE18L08	Professional Skills II Remote sensing and GIS Lab	0	0	3	2
5.	HBGE18L09	Field Geology and Project Work	0	0	20	10
Total			9	2	23	23

SUMMARY OF CREDITS

I Semester	: 20
II Semester	: 22
III Semester	: 20
IV Semester	: 21
V Semester	: 24
VI Semester	: 23

TOTAL : 130



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