

SEMESTER - I

Paper V (Code : Geol 05) : PRACTICAL – I

Time: 4 hours	Max.
Marks: 75	
<u>Structural Geology and Tectonics:</u>	30
1. Identification of structural elements and their chronology in hand specimen.	
2. Solution of structural problems by stereo-graphic projection, single and double rotation problems.	
3. Structural analysis with stereonet: s-pole, B-pole diagram, methodology and interpretation of patterns.	
4. Drill hole problems.	
<u>Micropaleontology</u>	30
1. Identification and morphological study of following microfossil genera under stereozoom microscope: Ostracodes, Foraminifera, Conodonts and Charophytes.	
2. Morphological features of Pollens & spores, Acritarchs, Diatoms and Radiolaria.	
Viva Voice	10
Record	05

75	

SEMESTER - I

Paper VI (Code: Geol 06) : PRACTICAL – II

Time: 4 hours	Max
Marks 75	
<u>Mineral Technology and Mineral Economics</u>	30
1. Flow sheets of beneficiation of important ore minerals.	
2. Industrial specification of important industrial minerals.	
3. Study of important metallic and non-metallic minerals in hand specimen.	
<u>Mineral Exploration and Mining Geology</u>	30
1. Survey and leveling by Theodolite and related problems.	
2. Estimation of ore reserves.	
3. Site selection for bore-holes.	
4. Basic knowledge and handling of GPS.	
Viva Voice	10
Record	05

Compulsory Field Training Program : Structural Mapping Training – 10 days duration

Note: **Field Training is Compulsory, Student not taking part in the field training shall not be allowed to appear in the examination.**

Field Assessment will be done by the Tour-Incharge (s) and will award marks out of **20** which will be equally distributed between Practical I and Practical II