

B.Sc. Sem.-1 Examination

CC-3-P-101

Geology

October-2024

Time : 2-30 Hours]

[Max. Marks : 70

Instructions: (i) Draw neat diagrams whenever necessary.
(ii) Write proper answer number.

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- Q-1 Describe general principles of geology as a science. (14)
- OR
- Q-1 (a) Origin of the earth. (07)
(b) Earth as a member of solar system. (07)
- Q-2 Discuss the internal structure of the earth. (14)
- OR
- Q-2 (a) Radiometric methods. (07)
(b) Elementary knowledge of plate tectonics. (07)
- Q-3 Explain lakes as a geological agent. (14)
- OR
- Q-3 (a) Disintegration. (07)
(b) Fluvio-glacial deposits. (07)
- Q-4 Write a detailed note on chemical bonding and compound formation. (14)
- OR
- Q-4 (a) Chemical classification of minerals. (07)
(b) Forms in minerals. (07)
- Q-5 Attempt any seven questions out of twelve. (14)
- (i) State any four branches of geology.
 - (ii) State the mass and density of the earth.
 - (iii) Define universe and galaxy.
 - (iv) Write about the palaeontological evidence of continental drift.
 - (v) What is curie point? State the curie temperature of iron.
 - (vi) Name the geological methods of dating.
 - (vii) What is meandering and ox bow lake?
 - (viii) Define pedestal rock and ablation.
 - (ix) What is exfoliation? Give one example of it.
 - (x) Define lustre and streak.
 - (xi) Name the properties of minerals based on state of aggregation.
 - (xii) Define hardness. State the hardness of apatite and corundum.
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