

## B.Sc. Sem.-6 Examination

CC-309

Geology

April-2025

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 morphological characters of phylum Cnidaria. (14)
- OR
- Q-1. (a) Radiolaria order. (07)  
(b) Nummulites fossils context to India. (07)
- Q-2. Write an explanatory note on classification of Hemichordate and describe morphological characters of a typical rhabdosome. (14)
- OR
- Q-2. (a) Geological distribution of Hemichordate and Arthropods. (07)  
(b) Morphological characters of a Paradoxides. (07)
- Q-3. Give classification of the Echinodermata and describe morphological characters of an Encrinurus. (14)
- OR
- Q-3. (a) Geological distribution of Echinoid and Brachiopoda. (07)  
(b) Stringocephalus fossil shell. (07)
- Q-4. Write an illustrative account on the evolution and diversity of microfossils through geological time, including their response to major geological events and environmental changes. (14)
- OR
- Q-4. (a) Fossil record of dinosaurs, their origin, diversification, and extinction. (07)  
(b) The evolution of pterosaurs, birds and bats. (07)
- Q-5. **Answer any seven short questions out of twelve.** (14)
- (i) Mention significance and locality of the Barbados Earth.  
(ii) Write Indian horizon and age of Nummulites.  
(iii) Give details of Octocorallia.  
(iv) Draw a labelled sketch of Monograptus.  
(v) Give age and Indian horizon of the graptolites.  
(vi) Define fulcrum and pleurae.  
(vii) Mention geological distribution of Echinodermata.  
(viii) What you know about deltidium and delthyrium?  
(ix) Define mamelon and boss.  
(x) Mention geological distribution and significance of the Ostracods  
(xi) Mention taxonomic categories and codes of systematic nomenclature.  
(xii) Write two characteristics of the amphibians.
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