

## B.Sc. (NEP) Sem.-3 Examination

DSC-C-232

Geology

November-2025

Time : 2-00 Hours]

[Max. Marks : 50

**Instructions: Draw neat diagrams wherever necessary.  
Write proper answer number.**

- Q-1. Mention different laws of isostasy and describe Airy's theory of isostasy. [10]
- OR
- Q-1. (a) Island arcs with suitable examples. [05]  
(b) Significance of plate tectonics. [05]
- Q-2. Give classification of subsurface water and explain erosional features produced by ground water. [10]
- OR
- Q-2. (a) Marine deposits. [05]  
(b) Hypsographic curve. [05]
- Q-3. Enumerate the laws of stratigraphy, correlation and homotaxis of strata with suitable examples from India. [10]
- OR
- Q-3. (a) Elementary ideas about origin of life. [05]  
(b) Systematic classification of organisms and their characters. [05]
- Q-4. Describe types of unconformities with suitable examples. [10]
- OR
- Q-4. (a) Maps, scales and their representation. [05]  
(b) Types of outcrops. [05]
- Q-5. **Attempt any ten out of twelve.** [10]
- (i) Define sea-floor spreading.  
(ii) What you know about palaeomagnetism?  
(iii) Name any two mid-oceanic ridges.  
(iv) Mention two erosional features of seas and ocean.  
(v) Define spring.  
(vi) Define aquifuge with example.  
(vii) Give definition of fauna.  
(viii) Mention the significance of ichnology.  
(ix) Define biostratigraphic units.  
(x) What is the relation between dip and strike?  
(xi) Define inliers.  
(xii) Distinguished between elevation and relief.