

1612N816

Candidate's Seat No : \_\_\_\_\_

B.Sc. Sem.-3 Examination

CC 201

Geology

December-2022

[Max. Marks : 70

Time : 2-30 Hours]

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

Q-1 Explain significance of plate tectonics, causes and evidences of continental drift. (14)

OR

Q-1 (a) Airy's theory of isostasy. (07)  
(b) Different laws of isostasy. (07)

Q-2 Explain hypsographic curve, tides, currents and marine deposits. (14)

OR

Q-2 (a) Classification of subsurface water. (07)  
(b) Depositional features produced by ground water. (07)

Q-3 Give tabular classification of geological time scale. (14)

OR

Q-3 (a) Systematic classification of organisms. (07)  
(b) Evolution and fossil record. (07)

Q-4 Write detail account on origin, mineralogy and mode of occurrence of mica deposits. (14)

OR

Q-4 (a) Define contours, outcrops, dip and strike. (07)  
(b) Maps and scales. (07)

Q-5 **Attempt any seven questions out of twelve.** (14)

- (i) Give the name of four major and four minor tectonic plates.
- (ii) Mention four names of erosional features produced by seas and ocean.
- (iii) Define aquifer and aquitard with example.
- (iv) Mention the origin of springs.
- (v) Draw a sketch of hydrological cycle.
- (vi) Define contours and outcrops.
- (vii) Describe elevation and relief.
- (viii) Define stratigraphy and order of super position.
- (ix) Define correlation and homotaxis of strata.
- (x) Explain origin of iron ore.
- (xi) Mention two uses of mica and iron ores.
- (xii) Give mineralogy of iron ore.