

M.Sc Semester-2 Examination

407

App Geology

April-2024

Tectonics & Crustal Evolution

Time: 2-30 Hrs.

Total Marks: 70

Q-1	A define craton and explain in detail	7
	B define and write note on rock facies	7

Or

Q-1	A write short note on 1) granite-gneiss-greenstone belts	7
	B write a detailed note on the cratons of india	7

Q-2	A write a detailed note on the continental drift theory	7
	B write a note on the geology of the Himalayas	7

Or

Q-2	A write a note on the geological history of the Earth with special emphasis on the ocean evolution	7
	B define migmatization, melanosome, leucosome and protolith	7

Q-3	A explain in detail any 3 (three) diagnostic characteristics to identify a suture	7
	B define faults and folds with its types	7

Or

Q-3	A write a note on the climate of peninsular india	7
	B explain in detail the fluvial regime of Indo-Gangetic Plain	7

Q-4	A write a detailed note on the divisions of the Indo-Gangetic plains	7
	B write a detailed note on MBT and MFT with reference to the formation of himalayas	7

Or

Q-4	A explain in detail the tectonic activity of the Indus suture zone	7
	B write a detailed note on the physiography of peninsular india	7

P.T.O.

Q -5	Attempt any seven out of twelve	14
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1. State the full form of M-bh zone and its location
2. state the location of Cuddapah Boundary Shear Zone
3. provide the full form of OSL
4. define bathymetry
5. define guyots and abyssal plains
6. Define protoplate tectonics
7. define seamount chains
8. define foredeep basin
9. define lithospheric flexure
10. define molasses
11. define pedogenesis
12. name the major and the minor tectonic plates

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