

**TDC (CBCS) Odd Semester Exam., 2020
held in March, 2021**

GEOLOGY

(3rd Semester)

Course No. : GELSEC-301T

(Geomorphology and Geotectonics)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

Write brief notes on any *fifteen* of the following :

1×15=15

1. Uniformitarianism
2. Hydrolysis
3. Topographic map
4. Biological weathering

5. Peneplanation
6. Solution
7. Aggradation
8. Pedestal rock
9. Endogenic process
10. Point bar
11. Deflation
12. Groundwater
13. Mid-oceanic ridge
14. Aulacogen
15. Gondwanaland
16. Pangea
17. Supercontinent
18. Normal polarity
19. Frost freezing

(3)

20. Constructive plate margin
21. Back arc
22. Volcanic arc
23. Lithosphere
24. Orogeny
25. Main boundary thrust
26. Siwalik Mountain
27. Indian Shield
28. Mobile belt
29. Tethyan Himalayan Sequence
30. Extrapeninsular India

SECTION—B

Write short notes on any *five* of the following :
2×5=10

31. Mass wasting
32. Cycle of erosion
33. Moraine
34. Volcanism

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(Turn Over)

(4)

35. The forces responsible for the drifting of continents
36. Theory of continental drift
37. Island arc
38. Plate tectonics
39. Importance of neotectonics
40. Assam-Arakan basin

SECTION—C

Answer any *five* of the following questions : 5×5=25

41. Write a descriptive note on physical weathering.
42. Write a descriptive note on chemical weathering.
43. Write a descriptive note on the geological work done by river.
44. Write a descriptive note on the geological work done by underground water.

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(Continued)

(5)

45. Discuss seafloor spreading with neat sketches.
46. Write a detailed note on paleomagnetism and its application.
47. Write a descriptive note on the different tectonic elements associated with convergent plate boundary with neat sketches.
48. Write a detailed note on different tectonic margins with examples.
49. Write a descriptive note on tectonic framework of India with neat sketches.
50. Write a descriptive note on tectonics of Himalayan orogeny.

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