

**2020/TDC(CBCS)/ODD/SEM/  
GEOSEC-501T/426**

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

**GEOGRAPHY**

**( 5th Semester )**

Course No. : GEOSEC-501T

**( Physical Geography )**

*Full Marks : 70*  
*Pass Marks : 28*

*Time : 3 hours*

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

**SECTION—A**

Answer/Fill in the blanks of any *twenty* of the  
following : 1×20=20

1. What is a nebula?
2. Why are the inner planets of the solar system heavier?
3. When was the earth formed?

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4. What is a Pangaea?
5. Name the smallest and closest planet to the Sun.
6. The inner four planets closest to the Sun—Mercury, Venus, Earth, and Mars are often called \_\_\_\_\_.
7. Name the planet having the largest number of natural satellites.
8. What is the full form of GMT?
9. What is the significance of dust particles in the atmosphere?
10. Name the zone which separates the troposphere from the stratosphere.
11. Name the layer of the atmosphere where conditions are ideal for flying.
12. What is normal lapse rate?
13. Which gas is known as greenhouse gas?
14. What is horse latitude?
15. What is photosphere?

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16. What is heat budget?
17. What is monsoon?
18. What is anticline?
19. What is volcano?
20. Who postulated the concept of plate tectonics?
21. The movement of two plates towards each other direction is called \_\_\_\_\_.
22. Name the earthquake waves which pass through the core of the earth.
23. Name the separating zone between mantle and crust.
24. What is the epicentre of an earthquake?
25. Name the propounder of the 'cycle of erosion'.
26. What is gradation?
27. What is peneplain?
28. In which stage of a river 'delta' is formed?

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29. What is aggradation?
30. Name the most common feature found on the ocean floors.
31. How have submarine ridges been formed?
32. Name the deepest ocean trench of the earth.
33. How is salt formed in the oceans?
34. What are ocean currents?
35. Name any one warm current of the Pacific Ocean.
36. How are tides caused?
37. \_\_\_\_\_ tides occur twice a month when the sun and moon are at a right angles to the earth.
38. Name a flat, nearly level area in the ocean, lying beyond the continental slope.
39. Name a gently seaward sloping surface extending between the shoreline and a continental slope.
40. Name an electronic device used to determine and record water depth in the oceans.

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SECTION—B

Answer any *five* from the following questions :

2×5=10

41. Distinguish between perihelion and aphelion.
42. What is Indian Standard Time?
43. Distinguish between weather and climate.
44. What are the characteristics of the savanna climate?
45. What are the main evidences of the layered nature of earth's structure?
46. Distinguish between folding and faulting.
47. Distinguish between erosion and weathering.
48. What is plate tectonics?
49. How have the oceans proved a boon for international trade?
50. Distinguish between spring tides and neap tides.

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SECTION—C

Answer any **five** questions

51. Discuss the nature and scope of physical geography. 4+4=8
52. Discuss the origin of the earth. 8
53. Describe the structure of the atmosphere stating different characteristics of each of its layers. 8
54. Discuss the mechanism of monsoon with special reference to Indian monsoon. 8
55. Discuss the structure of the earth giving details about each of its layers or shells and arguments in support of your contention. 6+2=8
56. How does plate tectonics help us in understanding the geographical distribution of earthquakes as well as volcanoes in the world? 6+2=8
57. What is cycle of erosion? Explain the concept of Davisian cycle of erosion with the help of diagram. 2+(5+1)=8

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58. "Landscape is a function of structure, process and time." Discuss. 8
59. Discuss systematically the major submarine features, giving specific examples from all the three major oceans. 8
60. Discuss the salient features of the ocean currents of the Atlantic Ocean with special reference to the Gulf Stream. 5+3=8

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