



Answer the following:

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|-----|---|---|
| 8.  | Name the branch that studies the earthquake.                              | 1 |
| 9.  | Which planet is known as the 'Blue Planet'?                               | 1 |
| 10. | Which is the layer that protects the earth from ultra violet rays?        | 1 |
| 11. | Name any two geomorphic agents that lead to changes on the earth surface. | 1 |
| 12. | What is insolation?   | 1 |
| 13. | What is a tide?   | 1 |
| 14. | Define the term Biodiversity.   | 1 |

**Section B**

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|-----|---|---|
| 15. | Explain the two types of earthquake.                        | 2 |
| 16. | Distinguish between P-waves and S-waves of earthquakes.     | 2 |
| 17. | Explain the characteristics of Igneous rocks.               | 2 |
| 18. | Explain exogenous processes of the earth.                   | 2 |
| 19. | Explain the important features of biological weathering.    | 2 |
| 20. | Explain the following terms:<br>a) Conduction b) Convection | 2 |
| 21. | Explain the land breeze and sea breeze.                     | 2 |
| 22. | Distinguish between spring tide and neap tide.              | 2 |
| 23. | Explain any two major relief features of the ocean floor.   | 2 |
| 24. | Explain any two threatened species of biodiversity.         | 2 |

**Section C**

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|-----|---|---|
| 25. | Explain the interior structure of the earth.  | 3 |
| 26. | Explain the depositional landforms formed by groundwater.                           | 3 |
| 27. | Explain the heat budget.  | 3 |
| 28. | Explain the following forms of condensation.<br>a) Dew<br>b) Frost<br>c) Fog & Mist | 3 |
| 29. | Explain the hydrological cycle with a neat labelled diagram.                        | 3 |
| 30. | Explain the cause for the loss of biodiversity.                                     | 3 |

**Section D**

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|-----|--|---|
| 31. | Explain the structure of the atmosphere with the help of a neat diagram. | 4 |
| 32. | Explain the factors affecting soil formation.                            | 4 |

**OR**

Explain the rock cycle with a neat diagram.

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