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| **University of Kerala** | | |
| Discipline: Geography |  | Time: 1 Hour 30 Minutes (90 Mins.) |
| Course Code: UK1DSCGGY100 |  | Total Marks:42 |
| Course Title: Geomorphology |  |  |
| Type of Course: DSC |  |  |
| Semester:1 |  |  |
| Academic Level: 100-199 |  |  |
| Total Credit: 3 Theory :3 Credit  (Applicable for 4 Credit Course with 1 Credit Practical Also) |  |  |

**Part A. 6 Marks. Time: 6 minutes**

**Objective type: 1 Mark Each (Answer all questions)**

**(Cognitive level: Remember/Understand)**

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| **Qn. No.** | **Question** | **Cognitive level** | **CO** |
| 1 | Write down the name of the supercontinent mentioned in the Continental Drift Theory? | Remember | CO2 |
| 2 | What is the semi-fluid layer on which the lithosphere floats? | Remember | CO2 |
| 3 | Which force causes the earth to bulge at the equator? | Understand | CO1 |
| 4 | Write down any two human activities that accelerate weathering | Understand | CO3 |
| 5 | Which type of seismic waves are responsible for the greatest destruction during an earthquake? | Understand | CO2 |
| 6 | Mention the low, featureless plain developed at the penultimate stage of a geomorphic cycle | Understand | CO4 |

**Part B. 8 Marks. Time: 24 minutes**

**Short answer. 2 Mark Each (Answer all questions)**

**(Cognitive level: Understand/Apply)**

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| **Qn. No.** | **Question** | **Cognitive level** | **CO** |
| 7 | Identify any two evidences that support the spherical shape of earth | Understand | CO1 |
| 8 | List out the erosional landforms produced by wind and briefly explain any one | Understand | CO4 |
| 9 | Illustrate rock cycle | Apply | CO3 |
| 10 | Elucidate the characteristics of P waves | Apply | CO2 |

**Part C. 28 Marks. Time: 60 minutes**

**Long Answer. 7 Mark Each (Answer all questions)**

**(Cognitive level: Apply/Analysis/Evaluate/Create)**

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| **Qn. No.** | **Question** | **Cognitive level** | **CO** |
| 11 | 1. Explain the types of faults with suitable diagrams   OR   1. What are the key differences between the Earth's crust and mantle in terms of composition and structure? | Apply | CO2 |
| 12 | 1. Give a detailed analysis of erosional and depositional landforms created by running water.   OR   1. Give a detailed write up on the erosional landforms formed by underground water | Analyze | CO4 |
| 13 | 1. Critically evaluate Nebular Hypothesis   OR   1. Discuss the concept of the Earth's shape as an oblate spheroid. How does this shape differ from that of a perfect sphere, and what implications does it have for scientific understanding? | Evaluate | CO1 |
| 14 | 1. Create a detailed write up on mass movement and its types   OR   1. Create a detailed note on Physical Weathering | Create | CO3 |