

**MA / M.Sc. GEOGRAPHY  
FIRST SEMESTER  
ADVANCED GEOMORPHOLOGY  
MGE – 101 [REPEAT]  
[USE OMR SHEET FOR OBJECTIVE PART]**

**SET  
A**

Duration : 3 hrs.

Full Marks : 70

**[ Objective ]**

Time: 30 min.

Marks: 20

**Choose the correct answer from the following:**

**1X20=20**

1. Who postulated the concept of 'Uniformitarianism'?
  - a. Leonardo da Vinci
  - b. James Hutton
  - c. W.M Davis
  - d. A.K Lobeck
2. 'Landscape is a function of structure, process and time' is a statement related with
  - a. Concept of Equilibrium
  - b. Landscape cycle
  - c. Geographical Cycle
  - d. Morphological system
3. 'Concept of Equilibrium' is one of the major components related with Geomorphic theory of
  - a. G.K Gilbert
  - b. W.M Davis
  - c. James Hutton
  - d. W. Penck
4. The 'cyclic model of pediplanation' was propounded by
  - a. W.M Davis
  - b. L.C King
  - c. W.Penck
  - d. James Hutton
5. Which of the following is unrelated to the denudation action of Mass Movement?
  - a. Basal sapping
  - b. Exfoliation
  - c. Landslide
  - d. Mud flow
6. Which one of the following features is formed when the roof of a limestone cavern collapses?
  - a. Tarn
  - b. Polje
  - c. Swallow hole
  - d. Doline
7. Caverns are the landform of
  - a. Running water
  - b. Karst
  - c. Wind
  - d. Glacier
8. Erosion of loose rock particles by wind is known as:
  - a. Abrasion
  - b. Attrition
  - c. Corrosion
  - d. Deflation



19. Which of the following is not a reason why remote sensing is ideal for use in geomorphology?
- a. It will always be more reliable than field work studies
  - b. It can be applied at any scale
  - c. It minimizes the need for fieldwork in dangerous, isolated and sensitive areas.
  - d. It can monitor changes over time.
20. Geomorphological analysis of surface forms of the earth is a \_\_\_\_\_ form of interpretation from space images.
- a. Direct
  - b. Indirect
  - c. Synthesis
  - d. Visible

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**( Descriptive )**

Time : 2 hrs. 30 mins.

Marks : 50

***[ Answer question no.1 & any four (4) from the rest ]***

1. Discuss the meaning and scope of Geomorphology. Give an account of the recent trends in Geomorphology. 5+5=10
2. Discuss the concept of Landform evolution theory proposed by W.M Davis. Write the difference between the theory proposed by L.C King and W. Penck. 6+4=10
3. Define Plate Tectonics? Discuss the kinds of Plate Margins and their Characteristic Features? Give support of suitable diagrams. 3+7=10
4. Explain the fluvial process in a river profile. Give support of suitable diagrams. 10
5. Compare and contrast the role of surface and subsurface processes in Hillslope development. 5+5=10
6. What is slope profile? Explain the theory of parallel retreat of slopes 3+7=10
7. Define applied geomorphology. Discuss the application of geomorphology in various fields with examples. 2+8=10
8. Short Notes: 5+5=10
  - a. Concept of Uniformitarianism
  - b. Periglacial process

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