

**BA / B.Sc. GEOGRAPHY
FIRST SEMESTER
GEOMORPHOLOGY
BGE – 101 IDMj**

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration : 3 hrs.

Full Marks : 70

Time: 30 min.

(Objective)

Marks: 20

Choose the correct answer from the following:

1X20=20

1. The Mohorovicic (Moho) Discontinuity separates
 - a. Outer core and Mantle
 - b. Inner and Outer core
 - c. Sima and Nife
 - d. Crust and Mantle
2. The term 'epicentre' is associated with
 - a. Earthquakes
 - b. Volcanoes
 - c. Cyclones
 - d. Landslides
3. What is the scale used for measuring the intensity of the earthquake?
 - a. Richter scale
 - b. Metric scale
 - c. Centigrade scale
 - d. Newton's scale
4. The main source of usable water on the Earth is
 - a. Oceans
 - b. Rivers
 - c. Underground water
 - d. Precipitation
5. The term Geomorphology mean-
 - a. 'The science of landforms.'
 - b. 'A discourse on earth forms.'
 - c. 'A study of territory.'
 - d. None of these.
6. Geomorphology is primarily related with-
 - a. Geology
 - b. Climatology
 - c. Oceanography
 - d. Meteorology
7. Crust is made up of-
 - a. Continental & oceanic crust
 - b. Upper & Lower Mantle
 - c. Lithosphere & Aesthenosphere
 - d. None of these
8. ----- can occur due to expansion and contraction induced by temperature changes.
 - a. Exfoliation
 - b. Mass Movement
 - c. Landslides
 - d. Soil formation
9. Which of the following zone, the depth of weathering mantle is the highest?
 - a. Tropical zone
 - b. Semi-desert and desert
 - c. Taiga
 - d. Tundra

10. Which one of the following is not a glacio-fluvial depositional feature?
 a. Horn
 b. Drumlin
 c. Kame
 d. Esker
11. Wind erosion may be carried out in the following ways:
 1. Deflation
 2. Abrasion
 3. Attrition
 Choose the correct option from the following codes:
 a. 1 and 3
 b. 1 and 2
 c. 1, 2 and 3
 d. 2 and 3
12. Which one of the following is an unpredictable natural disaster?
 a. Tornado
 b. Earthquake
 c. Hurricane
 d. Cyclone
13. Consider the following features associated with coastal erosion:
 1) Capes and bays
 2) Cliffs and wave-cut platforms
 3) Caves, arch, stack and stump
 4) Geos and gullies
 5) Spits and bars
 Choose the correct option from the codes given below :
 a. 2, 3 and 4
 b. 1, 2 and 3
 c. 1, 2, 3 and 4
 d. 1, 2 and 5
14. Consider the following geological phenomena :
 1) Development of a fault
 2) Movement along a fault
 3) Impact produced by a volcanic eruption
 4) Folding of rocks
 Which of the above causes earthquakes?
 a. I, III and IV
 b. I, II and III
 c. I to IV
 d. II and IV
15. What process takes place during the youthful stage of a river?
 a. Valley deepening
 b. Valley widening
 c. Meandering
 d. River rejuvenating
16. The phenomenon of wearing down relief variations of the surface of the earth through erosion is known as
 a. Weathering
 b. Degradation
 c. Aggradation
 d. Gradation
17. -----forces continuously elevate or build up parts of the earth's surface.
 a. Weathering
 b. Depositional
 c. Exogenic
 d. Endogenic

18. Which of the following is the mountain-building process?
- a. Epeirogenic processes
 - b. Volcanism
 - c. Earthquakes
 - d. Orogenic processes
19. Which of the following process does not come under the denudation process?
- a. Weathering
 - b. Erosion
 - c. Earthquakes
 - d. Mass Movement
20. What is the sole driving force behind all the exogenic processes?
- a. Gravitational Force
 - b. Climate
 - c. Solar energy
 - d. Relief
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(Descriptive)

Time : 2 hrs. 30 mins.

Marks : 50

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

1. What is the meaning and nature of Geomorphology? Write the scope of Geomorphology. Give support of suitable diagram. 5+5=10
2. What do you mean by weathering? Describe mechanical and chemical weathering, bringing out clearly the role of various agents of weathering? 4+6=10
3. Distinguish between Endogenetic and Exogenetic forces and describe briefly the Endogenetic forces. 6+4=10
4. What do you mean by 'Continental Drift'? Describe Wegener's continental drift theory and give views for and against the theory. 3+7=10
5. Describe the landforms brought about by the erosional and depositional work of a river. Illustrate your answer with suitable diagrams. 10
6. Discuss about the Concept of Cycle of Erosion by Davis, with diagram. 10
7. Classify Earth's interior into different layers with support of suitable diagram. 7+3=10
8. Explain about the role applied Geomorphology in Environmental studies. 10

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