

BA / B.SC. GEOGRAPHY
FIRST SEMESTER
FUNDAMENTALS OF GEOMORPHOLOGY
BGE - 101
(USE OMR FOR OBJECTIVE PART)

**SET
A**

Duration: 3 hrs.

Full Marks: 70

(PART-A: Objective)

Time: 30 min.

Marks: 20

Choose the correct answer from the following:

1X20=20

- The term Geomorphology mean-
 - 'The science of landforms.'
 - 'A discourse on earth forms.'
 - 'A study of territory.'
 - None of these.
- Geomorphology is primarily related with-
 - Geology
 - Climatology
 - Oceanography
 - Meteorology
- is called 'Father of History.'
 - Seneca
 - Aristotle
 - Herodotus
 - Strabo
- In the structure of planet Earth, below the mantle, the core is mainly made up of which one of the following?
 - Aluminium
 - Chromium
 - Iron
 - Silicon
- Crust is made up of-
 - Continental & oceanic crust
 - Upper & Lower Mantle
 - Lithosphere & Aesthenosphere
 - None of these
- 'Continental Drift Theory' was put forwarded by-
 - A. Wgener
 - Strabo
 - James Hutton
 - Lyell
- Which of the following is the example of most significant wind blown deposits?
 - Sand dunes
 - Loess
 - Ripple marks
 - Playa
- Continental drift refers to ____
 - The vertical movement of the continents on a small scale
 - The vertical movement of the continents on a vast scale
 - The horizontal movement of the continents on a small scale.
 - The horizontal movement of the continents on a vast scale.

9. Who among the following had given the name 'Monadknocks' which are frequented with low residual hills?
 - a. W.M.Davis
 - b. L.C.King
 - c. W.Penck
 - d. G.K.Gilbert
10. Pangaea refers to the ____
 - a. A Series of Mountain Chain
 - b. A Huge Water Body
 - c. United form of Landmasses
 - d. A Series of Interglacial Periods
11. The mobile zone of water which are bordered by rigid masses which are termed by Kober as _____
 - a. Kartogen
 - b. Median Mass
 - c. Randeketten
 - d. Corrie
12. Plate tectonics results in _____
 - a. Mountain building
 - b. Earthquake
 - c. Volcanism
 - d. All of the above
13. Who among the following came up with the Convection Current Theory?
 - a. Arthur Holmes
 - b. Alfred Wegner
 - c. Harry Hammond Hess
 - d. None of the above
14. Exfoliation is more common over
 - a. Crystalline rocks
 - b. Non-crystalline rocks
 - c. Both (a) and (b)
 - d. None of the above
15. In the folds, some parts are bent up and some parts are bent down. The upfold rock strata is called
 - a. Limbs
 - b. Axial plane
 - c. Syncline
 - d. Anticline
16. Which of the following folds are formed when the compressive forces are so strong that both the limbs of the fold become parallel as well as horizontal?
 - a. Isoclinal folds
 - b. Overturned folds
 - c. Recumbent folds
 - d. Plunge folds
17. The Circum-Pacific Belt presents which of the following ideal conditions for the occurrences of earthquakes?
 - a. Junction of continental and oceanic margins
 - b. Zone of young folded mountain
 - c. Zone of active volcano
 - d. Subduction zone of destructive or convergent plate boundaries
18. Most of the active volcanoes are found along the
 - a. Continental shelf
 - b. Deep sea plains
 - c. Submarine canyons
 - d. Mid-oceanic ridge
19. Which of the following is not a depositional landform?
 - a. Alluvial fans and cones
 - b. Delta
 - c. Natural levees
 - d. Peneplains

20. Which of the following collective term is used for depositional landforms of direct glacial origin?

- a. Moraines
- b. Talus
- c. Rock waste
- d. Regolith

(PART-B : Descriptive)

Time : 2 hrs. 30 min.

Marks : 50

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

1. Write nature and scope of Geomorphology. Give support of suitable diagram 5+5=10
2. Write short notes on : 5+5=10
 - a. 'The same physical processes and laws that operate today operated throughout geologic time, although not necessarily always with the same intensity as now.'
 - b. 'As the different erosional agents act upon the earth's surface there is produced an orderly sequence of land forms.'
3. Explain Isostasy concept with support of views of Airy and Pratt. 10
4. Critically examine the Geosynclinal Orogen theory of Kober 10
5. Compare and contrast the models of cycle of erosion developed by William Morris Davis and Walther Penck. 5+5=10
6. Give an account of the 'Plate Tectonic Theory' of mountain building. 10
7. Discuss in detail the features formed by Erosional, and Depositional work of Glaciers. 5+5=10
8. Discuss the process of Geomorphology which affects the crust of the earth. Distinguish between Epeirogenetic and Orogenetic movement 6+4=10

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