

**2021**  
**GEOGRAPHY (Honours)**  
**First Paper (MCQ)**  
**B.A. Part-I (Theory)**

**Full Marks 50**

**Time 90 Minutes**

**Answer all questions. (50x1=50)**  
**Select the correct alternative and write on the answer scripts**

1. Which of the following geomorphologists is concerned with the non cyclic concept of geomorphic evolution of landforms?
  - A. Penck
  - B. Crickmay
  - C. W. M. David
  - D. J.T. Hack
2. Drumlin is an example of which category of landform?
  - A. Simple landform
  - B. Compound landform
  - C. Exhumed landform
  - D. None of these
3. Spit and hook are produced by the action of which agent?
  - A. Under ground water
  - B. Fluvial action
  - C. Aeolian action
  - D. Marine action
4. Debris avalanche can be included in which category?
  - A. Rapid flow mass movements
  - B. Slow flow mass movement
  - C. Subsidence
  - D. None of these
5. Block disintegration is caused by which type of weathering?
  - A. Biological weathering
  - B. Chemical weathering
  - C. Physical weathering
  - D. Corrosion
6. The dictum 'present is the key to the past' was stated by which of the following geomorphologist?
  - A. Horton
  - B. James Hutton
  - C. Playfair
  - D. Charles Lyell

7. Which of the followings is a process of transportation by river?
- Abrasion
  - Attrition
  - Saltation
  - Plucking
8. Which of the following landform is not produced by the exogenic process?
- Plunge pool
  - Arete
  - Inselberg
  - Dyke
9. Paternoster lake is produced by the action of which geomorphic agent?
- River
  - Wind
  - Sea wave
  - Glacier
10. The concept of 'Endrumpf' was propounded by which of the followings?
- Horberg
  - L.C king
  - Penck
  - A. Strahler
11. Xeric condition is associated with which of the geomorphic process?
- Aeolian
  - Fluvial
  - Glacio-fluvial
  - Under ground water

12. Match the column 1 with 2

**Column-1**

- Nick point
- Moraines
- Deep weathering
- Dripstone

**Column-2**

- Karst topography
- Chemical weathering
- Rejuvenation
- Glacier

- Options**
- I-d, II-a, III-c, IV-b
  - I-c, II-d, III-b, IV-a
  - I-a, II-b, III-C, IV-d
  - I-c, II-d, III-a, IV-b

13. Trellised drainage is associated mainly with which of the structure?
- Domal structure
  - Uniclinal structure
  - Folded structure
  - Faulted structure
14. Which of the following the most dominant factor responsible for landslide in the Darjeeling hill ?
- Cutting of trees
  - Excessive rainfall during monsoon season
  - Earthquakes
  - Mining

15. What is the chief cause of folding?
- Horizontal tension
  - Intrusion of lava
  - Horizontal compression
  - Vertical tension
16. Which earthquake waves involve transverse displacement
- 'P'- waves
  - 'S'- waves
  - 'L'- Waves
  - All the mentioned waves
17. What is the evidence in favour of the continental drift theory?
- Zig-Saw Fit
  - Trans-current faults
  - Fossils in different areas
  - Conversion in mantle
- Options:**
- I and III
  - I and IV
  - I and II
  - I, II and IV
18. A vertical fault along which the rocks are displaced horizontally is called a
- Normal fault
  - Reverse fault
  - Tear fault
  - Monocline
19. Which characteristics of sediment is least likely to change during the process of rock formation?
- Density
  - Porosity
  - Texture
  - Composition
20. Which one of the following statement is correct: --  
*"Monoclines folds are normally associated with..."*
- Faulting
  - Distorted beds
  - Inverted beds
  - Inclined beds
21. Which of the following periods is largely associated with extinction of Dinosaurs and the increase in plants and reptiles?
- Jurassic
  - Triassic
  - Cretaceous
  - Permian
22. Converging plate boundaries tectonically can also be termed as -
- Constructive plate boundaries
  - Destructive plate boundaries
  - Neutral plate boundaries
  - None of these

23. Concept of multi level of compensation regarding isostasy was put forth by-
- A. Airy
  - B. Pratt
  - C. Jolly
  - D. Hayford
24. In which condition *Jura structure* is evolved?
- A. When anticlinal hill and synclinal valley are associated with anticline and syncline of a fold respectively
  - B. When synclinal hill and anticlinal valley are associated with anticline and syncline of a fold respectively
  - C. When anticlinal hill and synclinal valley are associated with syncline and anticline of a fold respectively
  - D. When a dip slope is formed on a homoclinal structure
25. Rift valley is a resultant landform of which tectonic activity?
- A. Folding
  - B. Faulting
  - C. Warping
  - D. Tilting
26. How much is usually the slope of continental slope?
- A. Less than 2°
  - B. 2° to 5°
  - C. 5° to 10°
  - D. Above 10°
27. Who among the following coined the term oceanography?
- A. Sir Jhon Murry
  - B. Fort Ricasoli
  - C. Herodotus
  - D. Carl Ritter
28. The 'guyot' is a--
- A. Flat topped submarine peak.
  - B. Volcanic cone forming an island
  - C. Step like feature on the continental slope
  - D. Circular coral island.
29. Which ocean has a mid oceanic ridge resembling letter 'S'?
- A. Indian ocean
  - B. Atlantic ocean
  - C. Pacific ocean
  - D. Arctic ocean
30. In which ocean is the Mindanao Deep located?
- A. Pacific
  - B. Atlantic
  - C. Indian
  - D. Arctic

31. What is the most abundant component of salt in a sea?
- A. Calcium
  - B. Sodium
  - C. Chlorine
  - D. Potassium.
32. Sargasso Sea is so named after a
- A. Type of fish found there
  - B. Type of sea weed growing there
  - C. Tribe inhabiting the islands in this sea
  - D. Famous voyager who travelled extensively in this region
33. Kuroshio currents flows
- A. North along Japan coast
  - B. South along Japan coast
  - C. North along Chile coast
  - D. South along Chile coast
34. What is the name of the animal part of a coral?
- A. Polyps
  - B. Reef
  - C. Cnidocytes
  - D. None of these
35. How do corals reproduce?
- A. Only sexually
  - B. Only asexually
  - C. Sexually and asexually
  - D. None of these
36. How old are most coral reefs?
- A. 1000-2000 years
  - B. 2500-3000 years
  - C. 500-1000 years
  - D. 5000 – 10000 years
37. The factors of world distribution of horizontal temperature of oceanic water are
- A. Winds and latitude
  - B. Latitude
  - C. Longitude
  - D. None of these
38. The greatest proportion of salt is found in two areas included
- A. Tropics of cancer and Capricorn
  - B. North and south poles
  - C. Equator
  - D. None of these
39. Factors affecting salinity
- A. Water from rivers
  - B. Temperature
  - C. Rainfall
  - D. All of these

40. The second layer of ocean water is called
- A. Surface zone
  - B. Thermocline
  - C. Secondary zone
  - D. Deep zone
41. The process by which water is taken up by plants and released into the atmosphere is called
- A. Condensation
  - B. Evaporation
  - C. Precipitation
  - D. Transpiration
42. Which of the following is not a controlling factor of surface runoff ?
- A. Slope of a terrain
  - B. Duration of rainfall
  - C. Intensity of rainfall
  - D. Amount of insolation
43. Where does the energy to drive the hydrologic cycle come from?
- A. Earth's interior
  - B. The sun
  - C. Plate tectonics
  - D. Photosynthesis
44. If the value of SI (sinuosity index) is 1.5, what would be the type of the channel?
- A. Straight
  - B. Meandering
  - C. Sinuous
  - D. None of these
45. The area – height relationship in a river basin can be estimated by –
- A. Dissection index
  - B. Hypsometric curve
  - C. Ruggedness index
  - D. Relative relief
46. Which of the following materials has the lowest porosity?
- A. Shale
  - B. Gravel
  - C. Granite
  - D. Sandstone
47. What does a hydrograph display?
- A. Variations in sediment concentration against river discharge
  - B. Variations of water temperature against discharge
  - C. Variations in discharge over time
  - D. Variations in snowfall over time
48. In which of the following through-flow pathways does water travel through the finest soil pores?
- A. Matrix flow
  - B. Macropore flow
  - C. Pipe flow
  - D. Stomatal Flow

49. The vadose zone occurs
- A. Between water table and the soil surface
  - B. Near streams in arid and semi-arid regions
  - C. Just below the A horizon of soil
  - D. None of these
50. Which of the followings is a hydrologic index?
- A. Slope analysis
  - B. Topographic wet index
  - C. Ruggedness index
  - D. Dissection Index

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