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2020

GEOGRAPHY (Honours)

Paper : I-A

[New Syllabus]

Full Marks : 50

Time : One Hour

Important Instructions for Multiple Choice Question (MCQ)

- Write Subject Name and Code, Registration number, Session and Roll number in the space provided on the Answer Script.

Example : Such as for Paper III-A (MCQ) and III-B (Descriptive).

Subject Code :

III	A	&	B
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Subject Name :

- Candidates are required to attempt all questions (MCQ). Below each question, four alternatives are given [i.e. (A), (B), (C), (D)]. Only one of these alternatives is 'CORRECT' answer. The candidate has to write the Correct Alternative [i.e. (A)/(B)/(C)/(D)] against each Question No. in the Answer Script.

Example – If alternative A of 1 is correct, then write :

1. – A

- There is no negative marking for wrong answer.

মাল্টিপল চয়েস প্রশ্নের (MCQ) জন্য জরুরী নির্দেশাবলী

- উত্তরপত্রে নির্দেশিত স্থানে বিষয়ের (Subject) নাম এবং কোড, রেজিস্ট্রেশন নম্বর, সেশন এবং রোল নম্বর লিখতে হবে।

উদাহরণ — যেমন Paper III-A (MCQ) এবং III-B (Descriptive)।

Subject Code :

III	A	&	B
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Subject Name :

- পরীক্ষার্থীদের সবগুলি প্রশ্নের (MCQ) উত্তর দিতে হবে। প্রতিটি প্রশ্নে চারটি করে সম্ভাব্য উত্তর, যথাক্রমে (A), (B), (C) এবং (D) করে দেওয়া আছে। পরীক্ষার্থীকে তার উত্তরের স্বপক্ষে (A)/(B)/(C)/(D) সঠিক বিকল্পটিকে প্রশ্ন নম্বর উল্লেখসহ উত্তরপত্রে লিখতে হবে।

উদাহরণ — যদি 1 নম্বর প্রশ্নের সঠিক উত্তর A হয় তবে লিখতে হবে :

1. – A

- ভুল উত্তরের জন্য কোন নেগেটিভ মার্কিং নেই।

Choose the correct answer.

Each question carries 1 mark.

1. 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

2. Drumlin is an example of which category of landform ?
 - (A) Simple landform
 - (B) Compound landform
 - (C) Exhumed landform
 - (D) None of these

3. Which of the following landform is not produced by the exogenic process ?
 - (A) Plunge pool
 - (B) Arete
 - (C) Inselberg
 - (D) Dyke

4. Debris avalanche can 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. 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
7. Which of the followings is a process of transportation by river ?
- (A) Abrasion
 - (B) Attrition
 - (C) Saltation
 - (D) Plucking
8. Spit and hook are produced by the action of which agent ?
- (A) Under ground water
 - (B) Fluvial action
 - (C) Aeolian action
 - (D) Marine action

9. Paternoster lake is produced by the action of which geomorphic agent ?

- (A) River
- (B) Wind
- (C) Sea wave
- (D) Glacier

10. The concept of 'Endrumpf' was propounded by which of the followings ?

- (A) Horberg
- (B) L. C. King
- (C) Penck
- (D) A. Strahler

11. Xeric condition is associated with which of the geomorphic process ?

- (A) Aeolian
- (B) Fluvial
- (C) Glacio-fluvial
- (D) Under ground water

12. Match the column 1 with 2

Column - 1

- I. Nick point
- II. Moraines
- III. Deep weathering
- IV. Dripstone

Column - 2

- a. Karst topography
- b. Chemical weathering
- c. Rejuvenation
- d. Glacier

- (A) I-d, II-a, III-c, IV-b
- (B) I-c, II-d, III- b, IV-a
- (C) I-a, II-b, III-C, IV-d
- (D) I-c, II-d, III-a, IV-b

13. Trellised drainage is associated mainly with which of the structure ?
- (A) Domal structure
 - (B) Uniclinal structure
 - (C) Folded structure
 - (D) Faulted structure
14. Which of the following the most dominant factor responsible for landslide in the Darjeeling hill ?
- (A) Cutting of trees
 - (B) Excessive rainfall during monsoon season
 - (C) Earthquakes
 - (D) Mining
15. What is the chief cause of folding ?
- (A) Horizontal tension
 - (B) Intrusion of lava
 - (C) Horizontal compression
 - (D) Vertical tension
16. Which earthquake waves involve transverse displacement ?
- (A) 'P'- waves
 - (B) 'S'- waves
 - (C) 'L'- Waves
 - (D) All the mentioned waves

17. Which theory employs the ideas of convection current —
- (A) Thermal convective current theory
 - (B) Nebular hypothesis
 - (C) Plate tectonics theory
 - (D) Tetrahedral hypothesis
18. A vertical fault along which the rocks are displaced horizontally is called a —
- (A) Normal fault
 - (B) Reverse fault
 - (C) Tear fault
 - (D) Monocline
19. Which characteristics of sediment is least likely to change during the process of rock formation ?
- (A) Density
 - (B) Porosity
 - (C) Texture
 - (D) Composition
20. Which one of the following statement is correct ?
- “Monoclines folds are normally associated with...”*
- (A) Faulting
 - (B) Distorted beds
 - (C) Inverted beds
 - (D) Inclined beds

21. Which of the following periods is largely associated with extinction of Dinosaurs and the increase in plants and reptiles ?
- (A) Jurassic
 - (B) Triassic
 - (C) Cretaceous
 - (D) Permian
22. Converging plate boundaries tectonically can also be termed as —
- (A) Constructive plate boundaries
 - (B) Destructive plate boundaries
 - (C) Neutral plate boundaries
 - (D) 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. What is the most abundant component of salt in a sea ?
- (A) Calcium
 - (B) Sodium
 - (C) Chlorine
 - (D) Potassium
27. 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
28. Which ocean has a mid oceanic ridge resembling letter 'S' ?
- (A) Indian ocean
 - (B) Atlantic ocean
 - (C) Pacific ocean
 - (D) Arctic ocean

29. In which ocean is the Mindanao Deep located ?
- (A) Pacific
 - (B) Atlantic
 - (C) Indian
 - (D) Arctic
30. How much is usually the slope of continental slope ?
- (A) Less than 2°
 - (B) 2° to 5°
 - (C) 5° to 10°
 - (D) Above 10°
31. 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
32. Kuroshio currents flows —
- (A) North along Japan coast
 - (B) South along Japan cost
 - (C) North along Chile coast
 - (D) South along Chile coast

33. Who among the following coined the term oceanography ?

- (A) Sir Jhon Murry
- (B) Fort Ricasoli
- (C) Herodotus
- (D) Carl Ritter

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) Thermocloine
 - (C) Secondary zone
 - (D) Deep zone

41. The process by which water is taken up by plants released into the atmosphere is called —
- (A) Condensation
 - (B) Evaporation
 - (C) Precipitation
 - (D) Transpiration
42. Where does the energy to drive the hydrologic cycle come from ?
- (A) Earth's interior
 - (B) The sun
 - (C) Plate tectonics
 - (D) Photosynthesis
43. Which of the following materials has the lowest porosity ?
- (A) Shale
 - (B) Gravel
 - (C) Granite
 - (D) Sandstone
44. If the value of SI (sinuosity index) is 1.5, the 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 followings 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
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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