

CHANCHAL COLLEGE

ASSINGMENT

2021

GEOGRAPHY (Honours)

Part -1

Paper Code : I-A

[New Syllabus]

Answer all the questions. Choose the correct answer. Each question carries 1 mark

50×1 =50

1. Which of the following is a cold ocean current?

(A) Kuroshio Current

(B) ElNino Current

(C) Peru Current

(D) Counter Equatorial Current

2. What is the most common salt in the sea water?

(A) NaCl .

(B) CaCl₂

(C) CaCO₃

(D) MgSO₄

3. The most common and widespread ooze deposits are —

(A) Globigerina

(B) Pteropod

(C) Red Clay

(D) Radiolarium.

4. A saturated but relatively impermeable material that does not yield appreciable quantities of water is called —

(A) Aquiclude

(B) Aquifuge

(C) Aquitard

(D) Water table

5. The acronym SAR (in groundwater quality monitoring) stands for .

(A) Salinity Aided Range

(B) Salt Absorption Ratio

(C) Sodium Adsorption Ratio

(D) None of the above

6. Which type of drainage pattern can best be associated with an area affected by faulting ?

(A) Rectangular

(B) Radial

(C) Dendritic

(D) None of these

7. Which property of seismic waves has proved that the interior of the earth is heterogeneous ?

(A) Reflection .

(B) Refraction

(C) Absorption

(D) Destruction

8. The process by which the vegetation traps the incoming precipitation before it reaches the grounds is called —

(A) Interception

(B) Infiltration

(C) Percolation

(D) Evaporation

9. Charles Darwin postulated his Subsistence Theory first in 1837 and further modified it in the year'- (A) 1841

(B) 1840

(C) 1842

(D) 1839

10. The velocity of 'P' waves is-

(A) 1 to 2 km/second

(B) 5 to 8 km/second.

(C) 3 to 5 km/second

(D) None of the above

11. Meanders are formed in the-

(A) First stage of river

(B) Second stage of river

(C) Third stage of river

(D) All of these.

12. Which of the following is not the depositional land form by the rivers?

(A) Deltas

(B) Natural levees and flood plains

(C) Mature and senile valley

(D) Alluvial fans and cones

13. In the arid region a topography 'Bajada' are found-

(A) Between pediment and playa

(B) Between playa and hammada

(C) Between pediment and hammada

(D) None of The above

14. Which of the following is the example of 'organic remains' - classified under ocean deposits ?

(A) Radiolarian ooze

(B) Red clay

(C) Green mud

(D) Neritic deposits

15. Which of the following is truly match with : "fluvial geomorphological system" and its development obeys –

(A) The law of allometric growth

(B) The law of infiltration

(C) The law of equilibrium

(D) None of these

16. What are "pinnacles"?

(A) pinnacles are narrow ridges

(B) Pinnacles are narrow depression

(C) Pinnacles are flat land

(D) None of these

17. Which of the following factors is not responsible for horizontal distribution of sea-water density?

(A) Evaporation

(B) Temperature

(C) Salinity of ocean water

(D) Fresh water

18. The science which deals with lakes is known as-

(A) Geomorphology

(B) Limnology

(C) Cryology

(D) Potamology

19. Which is the odd one in the following?

(A) Snow

(B) Sleet

(C) Rain

(D) Hail

20. Which of the following comment is false?

(A) Coral reefs are also known as coral polyps.

(B) Coral reefs help to create extensive submarine platform

(C) Coral reefs exerts harmful effects on marine ecology

(D) Coral reefs protected by barriers

21. The parallel and horizontal limbs of a recumbent fold are –

(A) Nappes

(B) Thrust

(C) Recumbent folds

(D) None of these

22. Which of the following 'options' is not truly match with 'exfoliation'?

(A) Bio-chemical process

(B) Chemical process

(C) Biotic process

(D) None of the above

23. Which of the following mountain system is not originated due to geosynclines?

(A) Himalayan mountain

(B) Rockies

(C) Eural

(D) Alps

24. In which year the 'Tetrahedral Hypothesis' was postulated?

(A) 1875

(B) 1905

(C) 1865

(D) 1880

25. 'Low velocity zone' lies at the depth of-

(A) 100 - 200 km from the earth surface

(B) 200 - 300 km from the earth surface

(C) 300 - 500 km from the earth surface

(D) 500 - 1000 km from the earth surface

26. Which one of the following force was not mentioned by A. Wegner for the continental drift?

- (A) Forces of buoyancy
- (B) Orogenic force
- (C) Differential gravitational force
- (D) Tidal force of the sun and the moon

27. Which one of the following is the process of river transportation?

- (A) Traction
- (B) Cavitation
- (C) Hydraulic action
- (D) Attrition

28. Which one of the following is not the cause of Dynamic Rejuvenation-

- (A) Changes of sea-level
- (B) Upliftment of landmass
- (C) Tilting of landmass
- (D) Subsidence of landmass

29. Which of the following is the cause of left bank erosion of River 'Ganga' in Malda district?

- (A) Construction of Farakka Barrage
- (B) Unscientific agriculture practice in both the bank of Ganga
- (C) Weak soil profile of river bank
- (D) All above these

30. The permeable rock layer between two impermeable rock layers is known as

- (A) Perched aquifer
- (B) Aquifuge
- (C) Aquifer
- (D) Aquitard

31. What is percentage of area occupied by continental shelf of the Ocean?

- (A) 7.1%

(B) 7.6%

(C) 8.5%

(D) 8.7%

32. Select the correct relief landscape

(A) 'V' shaped valley

(B) Cirque

(C) Inselberg

(D) Natural levee

33. The tarn lakes are likely to be found in

(A) Tropical low lands

(B) Temperate high lands

(C) Hot desert

(D) Emergent coast lines

34. Anticlinal valley & synclinal ridges in an example of

(A) Valley in Valley

(B) Angular valley

(C) Inverted . Relief features

(D) Antivalle

35. Gutenberg Discontinuity lies between —

(A) Crust and mantle

(B) Core and mantle

(C) Outer and inner core

(D) Continental crust and oceanic crust

36. The Peru-Chile Trench is a prominent example of—

(A) divergence junction

(B) convergence junction

(C) neutral zone

(D) a zone of transformation boundary

37. Whose names are associated with the concept of 'geosyncline'?

(A) Hall and Dana

(B) Penck and Davis

(C) Woolridge and Morgan

(D) Woolridge and La Pichon

38. 'Climatic controls on morphogenetic regions' is known as

(A) Torrid region

(B) Morphagenetic region

(C) Periglacial region

(D) Arid region

39. 'Submarine canyons' is exhibited in —

(A) Continental Slope

(B) Deep Sea Plain

(C) Continental shelf

(D) Mid oceanic Ridge

40. What is the daily range of temperature of surface water of the ocean?

(A) 2°C

(B) 1°C

(C) 4°C

(D) 5°C

41. Summer Monsoon is affected by

(A) Peru-current current.

(B) El-nino current

(C) East Australian current

(D) La-nina current

42. 'Diatoms' is a kind of—

(A) Calcareous ooze

(B) Silicious ooze

(C) Continental Margins deposit

(D) Oceanic

43. A deep or trench in the ocean floor is called —

(A) Trough

(B) Crest

(C) Swells

(D) Cracks

44. Coral polyps are found between the following latitudes —

(A) 0° — 25° N

(B) 0° — 25° S

(C) 25° N — 25° S

(D) Entire ocean body at every latitudes

45. In which area of the following, the rain water harvesting is not appropriate?

(A) Humid Tropics

(B) Saharan Africa

(C) Monsoonal rained India

(D) Mediterranean Climatic zone

46. Orogenetic earth movement is related to —

(A) Faults

(B) Volcanoes

(C) Earthquakes

(D) Folded Mountains

47. The subsidence Theory of the origin of coral reefs was given by —

(A) Darwin

(B) Davis

(C) Murray

(D) Daly

48. Sea floor spreading was postulated by —

(A) Harry Hess

(B) J. Tuzo Wilson

(C) A. Hobbes

(D) A. Holmes

49. Monadnock is a feature associated with —

(A) Youth Stage

(B) Mature Stage

(C) Old Stage

(D) None of the above

50. Rejuvenation is caused by —

(A) Negative change in base level

(B) Positive change in base level

(C) Both (A) and (B)

(D) Neither (A) nor (B)

ASSINGMENT

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GEOGRAPHY (Honours)

Paper Code : I-B

[New Syllabus] Full Marks : 50

GEOTECTONIC

Section - I

Answer any one question. 10×1=10

1. Classify different types of folds mentioning the basis of your classification. 10

2. Explain various discontinuities encountered in the structural layers of Earth. 10

Section - II

Answer any four questions. 5×4=20

3. Discuss the mountain building theory according to Holmes. 5
4. Define plate. Classify plate boundaries. 2+3
5. Write a short note on the theory of Isostasy after Pratt. 5
6. Briefly describe a fold and its parts. 5
7. Make a brief discussion on the formation of graben and horst. 5
8. Discuss the origin of Universe with particular reference to the Big Bang Theory. 5
9. Make a critical evaluation of the mountain building theory proposed by Kober. 5
10. Write the different forces responsible for plate movements. 5

OCEANOGRAPHY

Section – III

Answer any one question. 10×1=10

11. Describe the various currents of Indian Ocean. 10
12. Define Coral reef and atoll. Explain Darwin's theory of Coral reef formation. 4+6

Section - IV

Answer any two questions. 5×2=10

13. Give an account of the food resources of the sea. 5
14. Distinguish between continental shelf and continental slope.
15. Briefly discuss the factors causing variations in seawater salinity.
16. Discuss the nature and characteristics of marine deposits.

ASSINGMENT

2021

GEOGRAPHY (Honours)

Paper Code : I-C

[New Syllabus] Full Marks : 50

GEOMORPHOLOGY

Section - I

Answer any one question. 10×1=10

1. Define mass movement. What is the difference between weathering and mass-movement?
Explain the characteristics of major types of mass movement. $2+2+6=10$
2. Briefly describe the landforms associated with folded structure. Differentiate between dip and strike. $6+4=10$

Section – II

Answer any four questions. $5 \times 4 = 20$

3. What do you mean by base level of erosion? 5
4. Write about the Davis's cycle of erosion. 5
5. What is rejuvenation? Explain the causes for the origin of river terraces. $2+3=5$ 6.
6. How yardang is formed? 5
7. Write about the physical weathering. 5
8. Present is the key to the past' — Explain. 5
9. Explain the basic mechanisms involved in the left bank erosion of Ganga in, Malda District. 5
10. Distinguish between Alluvial fans and Alluvial corns. 5

HYDROLOGY

Section – III

Answer any one question. $10 \times 1 = 10$

11. What are the different forms of substance water? What is aquifer? Describe various types of aquifer. What is Darcy's law? $3+1+4+2=10$
12. What is water harvesting? Why it is important? Explain various techniques of water harvesting in context of India. $2+2+6=10$

Section - IV

Answer any two questions. $5 \times 2 = 10$

13. Discuss the global water budget.
14. Explain the factors affecting evapo-transpiration.
15. Discuss the formation of Artesian well with suitable diagram.
16. What are the different types of runoff?