

WBSSC Geography (IX-X) 2016

Q1. The depth of the Earth's crust is

- (a) 5-60 kms
- (b) 10-60 kms
- (c) 15-40 kms
- (d) 8-38 kms

Q2. Which plate subducts westward beneath South America?

- (a) Pacific Plate
- (b) Nazca Plate
- (c) Caribbean Plate
- (d) Antarctic Plate

Q3. The Hawaiian Islands were formed at -

- (a) Convergent plate boundary
- (b) Transform fault boundary
- (c) Divergent plate boundary
- (d) Neutral boundary (This option "নিরপেক্ষ অর্থে" is a bit ambiguous, but likely refers to a neutral or intraplate setting)

Q4. What is an ophiolite suite?

- (a) Part of continental crust emplaced over a continent
- (b) Magnetic components of the ocean floor.
- (c) Sediments accumulated at the continental margin
- (d) Microcontinent.

Q5. In the process of metamorphism, the change in the size of rock components is called

- (a) Folding
- (b) Rearrangement
- (c) Recrystallization
- (d) Stratification

Q6. Igneous rock with the lowest silica content is called-

- (a) Basic rock
- (b) Porphyry
- (c) Ultrabasic rock
- (d) Acidic rock.

Q7. The Gutenberg discontinuity separates which two layers?

- (a) Crust and Mantle
- (b) Mantle and Core
- (c) Outer Mantle and Inner Mantle
- (d) Outer Core and Inner Core.

Q8. Which of the following earthquake waves causes the most damage?

- (a) S-wave
- (b) P-wave
- (c) R-wave
- (d) L-wave

Q9. The elevated narrow landmass between two normal faults is-

- (a) Graben
- (b) Horst
- (c) Nappe
- (d) Median Mass

Q10. A long, depressed area on the Earth's surface where a large amount of sediment accumulates is a-

- (a) Geosyncline
- (b) Benioff Zone
- (c) Foreland
- (d) Table

Q11. Which of the following is not associated with a volcano?

- (a) Caldera
- (b) Lava
- (c) Crater
- (d) Epicenter

Q12. Which of the following is seen in a Karst region?

- (a) Lapies
- (b) Esker
- (c) Inselberg
- (d) Bajada

Q13. The sandbar connecting an island to the mainland is called-

- (a) Sea cliff
- (b) Sea cave
- (c) Tombolo
- (d) Beach

Q14. The average temperature of the sea surface water is-

- (a) 22°C
- (b) 17°C
- (c) 26.7°C
- (d) 20.6°C

Q15. Erosional material from a continuously uplifting mountain range is called-

- (a) Molasse
- (b) Gravel
- (c) Rock fragments
- (d) Rock layers

Q16. Where does energy release occur from within the Earth, causing an earthquake?

- (a) From the inner core.
- (b) From the crust-mantle boundary.
- (c) From the upper layer of the mantle.
- (d) From beneath the crust.

Q17. Etchplain is formed by-

- (a) River erosion
- (b) Glacial deposition
- (c) Sea wave erosion.

(Note: Option [d] is missing in the original text for question 17)

Q18. Yazoo (Yazoo) river is seen in-

- (a) Coastal plains
- (b) Floodplains
- (c) Desert plains
- (d) Mountain valleys

Q19. Nivation is -

- (a) Erosion by snow
- (b) Melting of snow
- (c) Accumulation of snow
- (d) (Option missing in original - likely related to snow or ice)

Q20. Dripstone is found in -

- (a) Cirques
- (b) Blind valleys
- (c) Cold air currents
- (d) Valley air currents

Q21. The salinity of the Indian Ocean is -

- (a) 35%
- (b) 25%
- (c) 30%
- (d) 40%

Q22. The proponent of the Tricellular Meridional Circulation Model was -

- (a) Hadley
- (b) Pallmann
- (c) Rossby
- (d) Buys Ballot

Q23. Khamsin is -

- (a) Very warm and dry air current.
- (b) Cold air current
- (c) Mountain air current
- (d) Valley air current.

Q24. The atmosphere absorbs total solar radiation by -

- (a) 21 acres
- (b) 17 acres
- (c) 34 acres
- (d) 24 acres

Q25. The amount of clay in clay loamy soil is -

- (a) 40% - 50%
- (b) 30% - 35%
- (c) 27% - 40%
- (d) 35% - 45%

Q26. Psychrophyte plants grow in -

- (a) Cold/cool snow-covered soil
- (b) Saline soil
- (c) Waterlogged areas.
- (d) On rocky surfaces

Q27. Afforestation for social and rural development is called -

- (a) Agroforestry
- (b) Commercial afforestation
- (c) Community afforestation
- (d) Social afforestation

Q28. A person who works with animal communities is called a -

- (a) Environmental scientist
- (b) Ecologist
- (c) Biogeographer
- (d) Biologist

Q29. The concept of the Pyramid of Numbers in an ecosystem was proposed by -

- (a) E.P. Odum
- (b) A.G. Tansley
- (c) G.J. Krebs
- (d) Charles Elton

Q30. The percentage demand for softwoods in the world's timber industry is -

- (a) 40%
- (b) 70%
- (c) 75%
- (d) 80%

Q31. The most developed country in the Dairy Farming industry is -

- (a) India
- (b) France
- (c) Denmark
- (d) Finland

Q32. Which country produces the most gold?

- (a) South Africa
- (b) India
- (c) Peru
- (d) Australia

Q33. The important aeroplane manufacturing center in the United States of America is -

- (a) Detroit
- (b) Los Angeles
- (c) Quincy (Note: "Quinary" from original is likely a typo for Quincy, a city)
- (d) Philadelphia

Q34. What can be known from the age and gender-based male-female ratio index pyramid?

- (a) Age groups of males and females
- (b) Age structure distribution of males and females
- (c) Average age of males and females
- (d) None of these

Q35. Migration from a developed region to an underdeveloped region is called -

- (a) Return migration
- (b) Counter-migration
- (c) Deviant migration (Note: "Pathbhrasta" translates to deviant/stray, context might imply something like 'reverse' or 'downward' migration)
- (d) None of these

Q36. The width of the Eastern Himalayas is -

- (a) 250 kms
- (b) 520 kms
- (c) 340 kms
- (d) 320 kms

Q37. Bhur of the Upper Gangetic Plain in India is a type of -

- (a) Undulating land of sand deposited by wind
- (b) Old alluvium
- (c) New alluvium
- (d) Clayey region

Q38. Steel Authority of India (SAIL) was established in -

- (a) 1974
- (b) 1975
- (c) 1973
- (d) 1972

Q39. In which state is the Mettur hydroelectric power plant located?

- (a) Karnataka
- (b) Kerala
- (c) Maharashtra
- (d) Tamil Nadu

Q40. In which state is the Jawaharlal Nehru Port located?

- (a) Tamil Nadu
- (b) Maharashtra
- (c) Gujarat
- (d) Kerala

Q41. Which rule/measure is used to divide the entire statistical data (frequency distribution) into two parts?

- (a) Median
- (b) Mode
- (c) Mean
- (d) None of these.

Q42. The main subject of data analysis (or statistical data review) is -

- (a) Classifying data
- (b) Collecting data
- (c) Tabulating data
- (d) Arranging data

Q43. The Dependent Variable is represented on the -

- (a) X-axis
- (b) Y-axis
- (c) Z-axis
- (d) None of these

Q44. The number of international topographic maps that cover the entire Earth is -

- (a) 2100
- (b) 2111
- (c) 2210
- (d) 2222

Q45. A Simple Conical Projection with One Standard Parallel is a -

- (a) Conventional Projection
- (b) Semi Perspective Projection
- (c) Non-Perspective Projection
- (d) Perspective Projection

Q46. Agenda-21 is a program adopted at which conference?

- (a) Washington
- (b) Stockholm
- (c) Vienna
- (d) Rio de Janeiro

Q47. If a numerical map of 1:50000 is reduced three times, which numerical fraction is correct for the (changed) smaller map?

- (a) 1:2500
- (b) 1:1000
- (c) 1:15000
- (d) 1:25000

Q48. The contour interval on a 1:50,000 scale topographical map published by the Survey of India is -

- (a) 20 meters
- (b) 40 meters
- (c) 100 meters
- (d) 10 feet

Q49. The conventional color used to represent agricultural land on a map is -

- (a) Green
- (b) Brown
- (c) Yellow
- (d) Red

Q50. Population Density is usually shown using a -

- (a) Flow Map
- (b) Isopleth Map
- (c) Dot Map
- (d) Choropleth Map

Q51. The projection in which a Loxodrome can be shown as a straight line is -

- (a) Polyconic
- (b) Mercator's
- (c) Sinusoidal
- (d) Cylindrical Equal Area

Q52. Which of the following states has the longest coastline?

- (a) Gujarat
- (b) Maharashtra
- (c) Andhra Pradesh
- (d) Tamil Nadu

Q53. The reason for winter rainfall in Northwest India is -

- (a) Northeast Monsoon
- (b) Northwest Monsoon
- (c) Low pressure created in the Bay of Bengal
- (d) Western Disturbances

Q54. Cumulative Frequency Distribution is shown using -

- (a) Histogram
- (b) Frequency Polygon
- (c) Ogive Curve
- (d) Mode

Q55. The statistical technique used to indicate the degree of relationship between two variables is called-

- (a) Dispersion
- (b) Index Number
- (c) Association
- (d) Correlation

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