

JMI M.A. Geography Entrance

Previous Paper 2019 (Set A)

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SET - A

1. Weichert Gutenberg Discontinuity is a boundary between
 (A) The core and the mantle
 (B) Mantle and crust
 (C) Upper mantle and lower mantle
 (D) Inner core and outer core
2. Gaseous hypothesis of origin of earth was propounded by
 (A) Laplace
 (B) Immanuel Kant
 (C) Chamberlin
 (D) Sir James Jeans
3. 'Drumlins' is the depositional feature of
 (A) Wind
 (B) Running water
 (C) Glacier
 (D) Ground water
4. Stalagmites is a depositional feature of
 (A) Ground water
 (B) Glacier
 (C) Wind
 (D) Running water
5. 'Barchan' is a special type of
 (A) Transverse dunes
 (B) Parabolic dunes
 (C) Longitudinal dunes
 (D) Reversing dunes
6. Which one of the following meanders is developed by the major streams in Himalayas?
 (A) Horse shoe meander
 (B) Bracelet meander
 (C) Wavy meander
 (D) None of the above
7. Which one of the following components of run off helps in recharging the ground water?
 (A) Influent stream
 (B) Effluent stream
 (C) Interflow
 (D) Baseflow

8. The concept of sea floor spreading was first propounded by
(A) J.T. Wilson
(B) W.J. Morgan
(C) Harry Hess
(D) A.N. Strahler
9. Which one of the following seismic waves cannot pass through liquid material?
(A) Compressional waves
(B) Transverse waves
(C) Long-period waves
(D) None of the above
10. The glacial materials deposited on either side of a glaciers are called?
(A) Lateral Moraines
(B) Median Moraines
(C) Ground Moraines
(D) Terminal Moraines
11. Poljes are erosional landforms of
(A) River
(B) Glacier
(C) Wind
(D) Groundwater
12. The Deltas of *Narmada* and *Tapir* rivers represent
(A) Truncated delta
(B) Bird foot delta
(C) Arcuate delta
(D) Estuarine delta
13. Which one of following oozes is composed of shells of microscopic plants containing silica in abundance?
(A) Diatom ooze
(B) Globigerina ooze
(C) Pteropod ooze
(D) Radiolarian ooze
14. Brazil warm current belongs to
(A) Indian Ocean
(B) Pacific Ocean
(C) Atlantic Ocean
(D) None of the above

- ✓ 15. Which one of the following has the highest salinity?
(A) Great Salt Lake
✓ (B) Dead Sea
(C) Red Sea
(D) Baltic Sea
- ✓ 16. Which one of the following trenches is deepest?
(A) Puerto Rico Trench
(B) Aldrich Trench
✓ (C) Philippines Trench
(D) Kurile Trench
17. Which one of the following circulations is favourable for frontogenesis?
(A) Rotatory circulation
(B) Translatory circulation
(C) Deformatory circulation
✓ (D) Convergent circulation
- ✓ 18. The hot, dry and dusty winds blowing from Sahara Desert over central Mediterranean is called?
(A) Foehn
(B) Chinook
✓ (C) Sirocco
(D) Simoom
- ✓ 19. The water vapour content in the atmosphere ranges between
✓ (A) 0-5 per cent
(B) 6-11 per cent
(C) 12-15 per cent
(D) 16-20 per cent
- ✓ 20. Which one of the following forms of condensation is formed when the dew point is below freezing point?
(A) Mist
(B) Fog
(C) Smog
✓ (D) Frost
21. Diffused day light is a
(A) Energy received at the earth surface
(B) Energy reflected from the earth surface
(C) Energy returned to space
✓ (D) Energy remaining the atmosphere

✓22. Which one of the following agricultural systems is specialized commercial cultivation?
✓(A) Truck farming
(B) Cooperative farming
(C) Plantation agriculture
(D) Mixed farming

✓23. Match the following

- | | |
|-----------------|---------------------|
| (a) The Eskimos | I. Congo Basin |
| (b) The Bushman | II. Kalahari Desert |
| (c) The Pygmies | III. Central Asia |
| (d) The Kirghiz | IV. North America |

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

✓24. Which one of the following countries has highest urban population?

- (A) Japan
(B) U.S.A
(C) U.K
✓(D) Kuwait

✓25. Which one of the following countries is the largest producer of coal?

- (A) Australia
(B) India
✓(C) China
(D) USA

26. Which one of the following countries is the largest producer of iron ore?

- (A) India
(B) Brazil
✓(C) Russia
(D) Australia

✓27. Which one of the following countries is the world's largest producer of inland fish?

- (A) Myanmar
(B) Cambodia
(C) Bangladesh
✓(D) India

28. Which one of the following countries has the least area under forest?

- ✓(A) United States
(B) Canada
(C) China
(D) Brazil

29. Which one of the following abiotic resources is renewable?
(A) Aluminium
 (B) Platinum
(C) Manganese ore
(D) Iron ore
30. 'Selva' forests are found in?
(A) Northern Europe
(B) Southern Australia
 (C) Congo Basin
(D) North America
31. Which one of the types of coal has high percentage of humidity?
(A) Anthracite
(B) Lignite
(C) Bituminous
 (D) Peat
32. Pampas temperate grassland belongs to
(A) North Mexico
 (B) Argentina
(C) Plains of Canada
(D) Southeast Australia
33. The abrupt, long and steep face of any hill is called
(A) Knoll
 (B) Scarp
(C) Spur
(D) Re-entrant
34. Which one of the following planets protects the earth from asteroid belt?
 (A) Mars
(B) Uranus
(C) Mercury
(D) Jupiter
35. Which one of the following seismic zones is characterized with having very severe intensity?
(A) Zone II
 (B) Zone V
(C) Zone III
(D) Zone IV

✓36. Pir Panjal is located in

- (A) Outer Himalayas
- ✓(B) Lesser Himalayas
- (C) Greater Himalayas
- (D) None of the above

✓37. Which one of the following consists of older alluvial soils?

- (A) Khadar
- (B) Tarai
- (C) Bhabar
- ✓(D) Bangar

✓38. Which one of the following rivers flow through rift valley?

- (A) Mahanadi
- (B) Godavari
- (C) Krishna
- ✓(D) Narmada

✓39. The lowest density of population as per 2011 Census was recorded in

- (A) Himachal Pradesh
- (B) Manipur
- ✓(C) Arunachal Pradesh
- (D) Sikkim

✓40. Which one of the following states of India as per 2011 Census has the lowest percentage of urban population?

- (A) Odisha
- ✓(B) Himachal Pradesh
- (C) Meghalaya
- (D) Bihar

④1 Balimela reservoir is located on

- (A) Sileru river
- (B) Hasdo river
- ✓(C) Hemavati river
- (D) Palar river

④2 Which one of the following states of India as per 2011 Census has lowest sex ratio?

- (A) Uttar Pradesh
- ✓(B) Bihar
- (C) Sikkim
- (D) Arunachal Pradesh

✓ 43. Which one of the following states of India is the largest producer of mica?

- (A) Jharkhand
- (B) Rajasthan
- ✓ (C) Andhra Pradesh
- (D) Chhattisgarh

④ 44. Which one of the following states of India is the largest producer of crude oil?

- (A) Rajasthan
- (B) Gujarat
- (C) Andhra Pradesh
- ✓ (D) Assam

✓ 45. Which one of the following is the largest source of irrigation in India?

- (A) Tube wells
- (B) Canals
- (C) Tanks
- ✓ (D) Wells

✓ 46. Which one of the following states of India is the largest producer of wheat?

- ✓ (A) Punjab
- (B) Rajasthan
- (C) Madhya Pradesh
- (D) Haryana

✓ 47. Isopleth joining the places of amount of same cloud cover is called

- (A) Isotech
- ✓ (B) Isoneph
- (C) Isohaline
- (D) Isohel

✓ 48. Who among the following postulated growth pole theory?

- ✓ (A) Francois Perroux
- (B) Boudeville
- (C) Burgess
- (D) Ullman

✓ 49. Which one of the following states of India is the largest producer of cotton?

- (A) Haryana
- (B) Karnataka
- (C) Punjab
- ✓ (D) Maharashtra

✓50 Which one of the following states of India has largest area under sugarcane?

- (A) Uttar Pradesh
- (B) Tamil Nadu
- (C) Karnataka
- (D) Haryana

✓51 Chir, Pine and Deodar are important trees of

- (A) Tropical rainforest
- (B) Tropical deciduous forest
- (C) Coniferous forest
- (D) None of the above

✓52 Which one of the following pressure belts represents zone of convergence of northeast and southeast trade winds?

- (A) Sub-tropical high pressure belt
- (B) Sub-polar low pressure belt
- (C) Polar high pressure belt
- (D) Equatorial low pressure belt

53 The inclination of rock beds with respect of horizontal plane is called

- (A) Strike
- (B) Dip
- (C) Anticline
- (D) Syncline

✓54 The mountains having flat tops, steep fault scarps and subsided portions are called

- (A) Block mountains
- (B) Fold mountains
- (C) Residual mountains
- (D) Volcanic mountains

55 'Villages in the great plain of India' represent

- (A) Linear pattern
- (B) Rectangular pattern
- (C) Circular pattern
- (D) Triangular pattern

✓56 Normal lapse rate is

- (A) Rate of decreasing temperature with decreasing height
- (B) Rate of decreasing temperature with increasing height
- (C) Rate of change in temperature due to contraction
- (D) None of the above

57) Which one of the following gases is released in the atmosphere as a result of shifting cultivation?

- (A) Ozone
- (B) Carbon dioxide
- (C) Methane
- (D) Nitrogen

58) The soils rich in iron but deficient in lime and nitrogen are

- (A) Red soils
- (B) Black soils
- (C) Alluvial soils
- (D) Laterite soil

59) Which one of the following states of India as per 2011 Census has lowest literacy rate?

- (A) Haryana
- (B) Jharkhand
- (C) Rajasthan
- (D) Arunachal Pradesh

60) Koppen's presented his classification of climate of the world in its complete form in

- (A) 1918
- (B) 1931
- (C) 1936
- (D) 1939

61) The portion of the incident radiation energy reflected back from the surface is called

- (A) Reflection
- (B) Diffusion
- (C) Albedo
- (D) Diffuse reflection

62) Wave like cyclones associated with easterlies trade winds are called

- (A) Tropical disturbances
- (B) Tropical depressions
- (C) Tropical storms
- (D) Hurricanes

63) When cold front overtakes warm fronts and warm air is completely displaced from the ground, the front is called

- (A) Warm front
- (B) Occluded front
- (C) Stationary front
- (D) Cold front

- ✓ 64. The clouds associated with heavy rainfall are
(A) Cirrus
(B) Stratus
(C) Cirrostratus
✓ (D) Cumulonimbus
- ✓ 65. 'Our Common Future' is related to
✓ (A) Economic development and environmental stability
(B) Social development
(C) Ecological security
(D) None of the above
66. Which one of the following is **not** a dimension of food security?
(A) Availability
(B) Accessibility
(C) Stability
✓ (D) Vulnerability
- ✓ 67. Which one of the following projections is suitable for distribution maps?
(A) Cylindrical equal area
(B) Simple cylindrical
(C) Gall's projection
✓ (D) Mollweid's projection
68. Varied spacing of the contours represents
(A) Uniform slope
(B) Convex slope
(C) Concave slope
✓ (D) Undulating slope
- ✓ 69. Which one of the following cartographic methods is used for showing the distribution of population?
(A) Isopleth
(B) Choropleth
✓ (C) Dot
(D) Symbol
- ✓ 70. Which one of the following instruments is used for computation of the elevation?
(A) Sextant
(B) Prismatic compass
✓ (C) Dumpy level
(D) Theodolite

71. Who among the following scholars invented 'Astrolab'?

- (A) Homer
- (B) Thales
- (C) Anaximander
- (D) Hipparchus

72. 'Amusement for him who desired to travel around the world' was written by?

- (A) Posidonius
- (B) Hipparchus
- (C) Al Idrisi
- (D) Ptolemy

73. Who among the following is recognized as the 'Father of Human Geography'?

- (A) Vidal de la Blache
- (B) Carl Ritter
- (C) Humboldt
- (D) Friedrich Ratzel

74. Which one of the following is **not** correctly matched?

- | | |
|--|--|
| <input checked="" type="checkbox"/> (A) L.D. Stamp | Models in geography |
| (B) Peter Haggett | Locational analysis in Human Geography |
| (C) Friedrich Ratzel | Anthropogeographie |
| (D) Khaldun | Muqaddimah |

75. Who among the following scholars belongs to 'Possibilism School of Thought'?

- (A) Alexander Von Humboldt
- (B) Ellsworth Huntington
- (C) Jean Brunhes
- (D) Strabo

76. Who among the following propounded the 'Concentric zone theory' of city morphology?

- (A) Burgess
- (B) Homer Hoyt
- (C) Ullman
- (D) Chauncy D. Harris

77. Comparative ratio between humidity of certain area with maximum limit is called

- (A) Relative strength
- (B) Ultra humidity
- (C) Relative humidity
- (D) Mild humidity

- ✓ 78. The concept of '*Genre de vie*' is associated with
(A) Peter Hagget
✓ (B) Vidal de la Blache
(C) David Harvey
(D) Carl Sauer

- ✓ 79. '*The Law of Primate City*' was introduced by
(A) Homer Hoyt
(B) H.C. Carry
✓ (C) Mark Jefferson
(D) A.J. Herbertson

- ✓ 80. Change in elevation of a stream per unit length is called
(A) Velocity
✓ (B) Gradient
(C) Base level
(D) Discharge

81. A flash flood is a flood that
(A) Is caused by heavy rain rather than from the flooding of a river
(B) Occurs in urban areas
✓ (C) Occurs suddenly and unexpectedly and for a short duration
(D) Is caused by the blocking of drains

- ✓ 82. The size of a flood is measured by
(A) the rate of flow of water in a waterway or river
(B) the level of water in a waterway or river
(C) a river gauging station
✓ (D) All of the above

- ✓ 83. Which one the following types of droughts is often identified by sunny days and hot weather
(A) Agricultural drought
(B) Socio-economic drought
✓ (C) Meteorological drought
(D) Hydrological drought

- ✓ 84. How many stages of economic growth and development of the nations were identified by Rostow?
(A) 4
✓ (B) 5
(C) 3
(D) 6

85. Which one of the following methods is used for delineating the formal regions?

(A) Gravitational analysis

(B) Flow Analysis

(C) Weighted index

(D) Principle Component Analysis (PCA)

86. Which one of the following stages of economic growth is represented by achievement of rapid growth in a limited group of sectors?

(A) The take off

(B) The drive to maturity

(C) The age of high mass consumption

(D) None of the above

87. The nature of relationship of mean, median and mode will occur when the distribution is moderately asymmetrical?

(A) $\text{Mode} = 3 \text{ Median} - 2 \text{ Mean}$

(B) $\text{Mode} = 2 \text{ Mean} - 3 \text{ Median}$

(C) $\text{Mean} > \text{Median} < \text{Mode}$

(D) None of the above

88. The nature of the following relationship between any pair of variables can be studied graphically by

(A) Regression line

(B) Lorenz curve

(C) Scatter plot

(D) None of the above

89. The process of predicting values using an x within the range of original x -values is called

(A) Extrapolating

(B) Residual

(C) Intercept

(D) Interpolating

90. An imaginary line joining the points of the same depth below water is called

(A) Isobathythem

(B) Isobath

(C) Isoneph

(D) Isodose

91. Which one of the following graphs shows a plot of monthly rainfall against monthly temperature over a year?

(A) Hythergraph

(B) Climograph

(C) Ergograph

(D) Seismograph

92. The graph in which two or more than two variables are shown by an equal number of lines for comparison
- (A) Polygraph
 - (B) Line graph
 - (C) Bar graph
 - (D) None of the above
93. Lorenz curve in geography is a graphical measure for estimating
- (A) Dispersion
 - (B) Deviation
 - (C) Distribution
 - (D) None of the above
94. Which one of the following graphs represent wet bulb temperature against relative humidity?
- (A) Bandgraph
 - (B) Cartograms
 - (C) Hythergraph
 - (D) Climograph
95. Intergovernmental Panel on Climate Change (IPCC) was formed in
- (A) 1988
 - (B) 1995
 - (C) 1992
 - (D) 1990
96. The network of the squares formed by the intersection of eastings and northings is called
- (A) Grid square
 - (B) Grid reference
 - (C) Grid system
 - (D) Coordinates
97. Which one of the following lines indicates the direction of water flow?
- (A) Form line
 - (B) Contour
 - (C) Hachures
 - (D) Line of sight
98. The angular distance of any point on the map with respect to true north is called
- (A) True bearing
 - (B) Magnetic bearing
 - (C) Forward bearing
 - (D) Backward bearing

99. Which one of the following methods of plane table surveying is best in mountainous terrain?

- (A) Radiation
- (B) Intersection
- (C) Traverse
- (D) Resection

100. Which one of the following droughts occurs due to deficiency of rainfall?

- (A) Hydrological drought
- (B) Meteorological drought
- (C) Ecological drought
- (D) Agricultural drought

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