

**15610**

**120 MINUTES**

1. Which of the following soil has greater clay content?  
A) Entosol                                 B) Vertisol  
C) Spodosol                                D) Inceptisol
2. Identify the CORRECT statement  
A) Wegener assumed that North America broke away from Pangaea first  
B) Appalachian mountains are part of the Fold Mountains formed due to continental drift  
C) The concept of Sea Floor spreading was explained by Hess  
D) Palaeozoic glacial evidence in North America gave support to Continental drift theory
3. Uvala is a landform associated with the action of  
A) Weathering                              B) River  
C) Wind                                        D) Underground water
4. A Satellite which helps weather forecasting is  
A) SPOT                                        B) LANDSAT  
C) IRS ID                                     D) INSAT 4B
5. The annual range of temperature is the highest in  
A) Subpolar regions                        B) Mediterranean regions  
C) Equatorial regions                       D) Tropical Monsoon regions
6. Warm sector and Occlusion are terms associated with  
A) Tropical Cyclone                        B) Thunderstorms  
C) Temperate Cyclone                       D) Tornadoes
7. Which of the following is NOT significant for coal mining in the world?  
A) Mesabi                                     B) Karaganda  
C) Donetz                                     D) Silesia
8. In world exports the country which ranked first in 2013 is  
A) United States                              B) China  
C) Japan                                        D) Germany
9. The Product-Moment Correlation technique was outlined by  
A) Zipf   B) Monkhouse  
C) Pearson                                     D) Spearman
10. The maximum number of emigrants from Kerala is found in  
A) Saudi Arabia                                B) United Arab Emirates  
C) Kuwait                                      D) Oman

11. RISAT 1 was launched in  
 A) 2009                      B) 2010                      C) 2012                      D) 2013
12. Which of the following rivers in Kerala flow eastward?  
 A) Chaliyar                      B) Neyyar  
 C) Kabani                      D) Achankoil
13. The longest river in Peninsular India is  
 A) Narmada                      B) Mahanadi  
 C) Krishna                      D) Godavari
14. The Kiriburu iron ore mine supplies iron ore mainly to the steel plant at  
 A) Bokaro                      B) Bhilai  
 C) Jamshedpur                      D) Bhadravathi
15. The normal atmospheric pressure on the surface of the earth is  
 A) 990 mb                      B) 1003 mb                      C) 1013 mb                      D) 1023 mb
16. Potential Evapotranspiration is used in climatic classification of  
 A) Miller                      B) Koppen  
 C) Thornthwaite                      D) Trewartha
17. The eye in a tropical cyclone is a region of  
 A) Strong winds                      B) Heavy rain  
 C) Calm weather                      D) High barometric pressure
18. Haldenhang is a term in slope used to refer  
 A) Free Face                      B) Buried Face  
 C) Debris Slope                      D) Wash Slope
19. Which of the following has air bubbles trapped inside at the time of its formation?  
 A) Pumice                      B) Sandstone  
 C) Shale                      D) Gneiss
20. Which of the following statements regarding National Highways is FALSE?  
 A) The new numbering of National Highways was implemented in April 2010  
 B) All north-south oriented Highways will have even numbers  
 C) All east-west oriented Highways will have odd numbers  
 D) Under the new scheme the longest National Highway is NH 27
21. Most of the mineral wealth in India is concentrated in  
 A) Malwa plateau                      B) Chotanagpur plateau  
 C) Baghelkhand plateau                      D) Mysore plateau
22. Which of the following is NOT a landform due to rejuvenation of a river?  
 A) Knickpoint                      B) Incised meander  
 C) River terrace                      D) Shoal

23. Identify the WRONG statement
- A) In an earthquake hypocenter refers to the focus
  - B) In the shadow zone no seismic waves are recorded
  - C) In Richter scale each increase in number indicates ten times increase in magnitude
  - D) S waves travel through both solid and liquid
24. The GPS system developed by the Soviet Union is called
- A) GAGAN
  - B) GALILEO
  - C) GLANOSS
  - D) IRNSS
25. The side lap in an aerial photograph varies from
- A) 10 to 20%
  - B) 10 to 40%
  - C) 20 to 40%
  - D) 40 to 60%
26. Who is considered as the “Father of GIS?”
- A) Tomlinson
  - B) Fisher
  - C) Chang
  - D) Burrough
27. Which of the following is NOT a greenhouse gas?
- A) Water vapour
  - B) Ozone
  - C) Methane
  - D) Hydrogen
28. The cloud that occur in a thunderstorm is
- A) Altostratus
  - B) Nimbus
  - C) Cirrus
  - D) Cumulonimbus
29. The term ‘Mackerel sky’ refers to the cloud type
- A) Cumulus
  - B) Stratus
  - C) Cirrocumulus
  - D) Cirrostratus
30. The number of agro-climatic regions identified for Development planning in India is:
- A) 10
  - B) 15
  - C) 21
  - D) 25
31. In terms of steel production in the world, India ranks
- A) Fourth
  - B) Sixth
  - C) Seventh
  - D) Tenth
32. Identify the correct sequence of countries in terms of their rank in world coffee production
- A) Brazil, India, Colombia, Ethiopia
  - B) Brazil, Colombia, Ethiopia, India
  - C) India, Brazil, Colombia, Vietnam
  - D) Brazil, Vietnam, Colombia, Indonesia
33. The leading country for the export of pulp, paper and sawn timber in the world is
- A) Norway
  - B) Sweden
  - C) Finland
  - D) Canada

34. The term *Primate City* was explained by  
 A) Jefferson B) Carter  
 C) Burgess D) Karl Hassert
35. Who among the following has not attempted functional classification of towns?  
 A) Harris B) Smith  
 C) Nelson D) Hoyt
36. Ghost Town is also called as  
 A) Polis B) Necropolis  
 C) Eopolis D) Tyrannopolis
37. Among the following pair of countries which are most significant for bauxite production?  
 A) Australia & China B) Jamaica & Australia  
 C) Jamaica & India D) India & Brazil
38. Which of the following statements is WRONG?  
 A) China is the largest exporter of textiles in the world  
 B) Osaka region in Japan is one of the major areas for textile production  
 C) India ranks fourth in textile export in the world  
 D) USA ranks third in the total cotton production in the world
39. The world's largest sea port in terms of its handling capacity is  
 A) Rotterdam B) Singapore  
 C) Shanghai D) Hong Kong
40. Christaller measured the volume of trade in his Central Place Theory by the number of  
 A) Telephones B) Shops  
 C) Banks D) Market Centres
41. Koppen's Cs type of climate is prevalent in  
 A) South Korea B) California  
 C) North Australia D) Peru
42. Which of the following statements with regard to El Nino is CORRECT?  
 A) It refers to the warming of sea surface in western Pacific Ocean  
 B) It refers to the cooling of sea surface in western Pacific Ocean  
 C) It refers to the warming of sea surface in eastern Pacific Ocean  
 D) It refers to the cooling of sea surface in eastern Pacific Ocean
43. Which of the following is different from the other three?  
 A) Bora B) Harmattan  
 C) Khamsin D) Scirocco

44. Spalling is a process associated with  
 A) Weathering   B) Mass movement  
 C) Glacial action   D) Wind action
45. Identify the statement which is WRONG  
 A) Asymmetrical fold has limbs with different dip angles  
 B) Heave represents the amount of horizontal displacement in a fault  
 C) The fold axis is vertical in recumbent fold  
 D) Hanging wall and Foot wall are terms associated with a fault
46. Tombolo is a landform associated with the work of  
 A) Glacier   B) Sea waves  
 C) Wind   D) Mass movement
47. Which of the following pairs is TRUE?  
 A) Conurbation – Gottman   B) Megalopolis – Geddes  
 C) Density rim – Christaller   D) Rank size rule – Zipf
48. Which of the following statements is FALSE?  
 A) Karl Hassert provided first outline of Urban Geography  
 B) Auroseau attempted a functional classification of towns  
 C) Outlying Business district is a zone identified in Sector theory  
 D) Burgess applied his concentric zone model to Chicago
49. In Urban Geography the Site and Situation approach was outlined first by  
 A) Raoul Blanchard   B) Bell  
 C) Clarke   D) Berry
50. Newling developed a model related to urban  
 A) Migration   B) Population growth  
 C) Population density   D) Occupational structure
51. The Carle International du Monde series maps have a scale of  
 A) 1: 1 million   B) 1: 100000  
 C) 1: 250000   D) 1: 500000
52. Identify the statement which is TRUE.  
 A) Quarter inch sheets of Survey of India have a scale of 1:500000  
 B) Each quarter inch sheet is divided into 12 parts  
 C) The number of quarter inch sheet is such as 56 D  
 D) Each quarter inch sheet covers an area of 2° latitude and 2° longitude
53. In Survey of India toposheet if the number is 58J/15 the scale of the map is  
 A) 1 : 25000   B) 1 : 250000  
 C) 1 : 50000   D) 1 : 5000

54. The largest producer of Manganese in the world is  
A) China    B) Australia  
C) USA    D) India
55. As per Indian Puranas Saka dwipa refers to the present day  
A) Africa    B) Southeast Asia  
C) Europe    D) Central Asia
56. Which of the following pairs is TRUE?  
A) Vidal de la Blache – Population geography  
B) Haggett – Locational Analysis  
C) Berry – Urban Population Density model  
D) Humboldt – Erdkunde
57. Which of the following statements with regard to Lapse rate is WRONG?  
A) Normal Lapse rate is around 6.6°C per 1000 m of elevation  
B) Air which has 100% Relative Humidity cools at Dry Adiabatic Lapse Rate  
C) When Environmental Lapse rate is less than that of an air parcel, stability occurs  
D) Wet Adiabatic Lapse rate is less due to release of latent heat by condensation
58. Which of the following statements with regard to humidity is TRUE?  
A) Moisture holding capacity of an air parcel is directly proportional to its temperature  
B) Moisture holding capacity of an air parcel is inversely proportional to its temperature  
C) The temperature at which an air parcel becomes saturated is called condensation  
D) Absolute humidity is measured in g/kg of air
59. Which of the following statements is WRONG?  
A) Fog is a form of precipitation  
B) In areas of cool ocean currents, advection fog is common  
C) Dew is a form of condensation  
D) Smog occurs in industrial temperate regions during winter
60. Which of the following statements regarding urban population in Kerala is TRUE?  
A) Malappuram experienced the highest 2001-11 decadal growth rate  
B) Ernakulam had a higher 2001-11 decadal growth rate than Thiruvananthapuram  
C) Kozhikode and Alappuzha had almost similar level of urbanization in 2011  
D) Number of census towns increased from 99 in 2001 to 261 in 2011

61. Highest average annual yield per hectare for rice is found in  
 A) Andhra Pradesh                      B) Punjab  
 C) Tamil Nadu                              D) West Bengal
62. As per Census 2011, the sex ratio among the States of India is the lowest in  
 A) Bihar                                      B) Himachal Pradesh  
 C) Haryana                                  D) Jharkhand
63. The latest Climatic Change Conference under the auspices of UN was held at  
 A) Caracas                                  B) Berne  
 C) Lima                                        D) Rio de Janeiro
64. Which of the following statements is FALSE?  
 A) The Inter-Governmental Panel on Climate Change was established in 1989  
 B) IPCC is the product of WMO and UNEP  
 C) The headquarters of IPCC is located at Washington  
 D) IPCC produces reports that support UNFCCC
65. Identify the statement regarding maps with 1: 25000 scales which is WRONG  
 A) These are also known as Cadastral maps  
 B) They are the large scale toposheets produced by Survey of India  
 C) The number of these sheets is such as 52 A/14/NW  
 D) Survey of India headquarters is located at Dehra Dun
66. Climatograph represents  
 A) Temperature and rainfall  
 B) Temperature and relative humidity  
 C) Only temperature  
 D) Only rainfall
67. In Climograph the term Scorching refers to the  
 A) Northwest corner                      B) Northeast corner  
 C) Southwest corner                      D) Southeast corner
68. Who are referred to as “Fathers of Modern Geography?”  
 A) Hutton and Playfair                      B) Ratzel and Semple  
 C) Ritter and Humboldt                      D) Blache and Brunhes
69. The ‘k’ value under the Transportation Principle of Christaller’s Central Place Model is  
 A) 3    B) 4    C) 5    D) 9
70. A modified form of Polyconic projection is also known as  
 A) Aitoff’s Projection                      B) International Map projection  
 C) Molleweide projection                      D) Sinusoidal projection

71. In Gnomonic Zenithal Polar case projection, equator is:  
 A) Represented as a straight line  
 B) Represented as a concentric circle  
 C) Not represented  
 D) Represented as an arc
72. The oldest rock formation found in India belongs to:  
 A) Cuddapah series                      B) Vindhyan series  
 C) Dharwar series                      D) Gondwana series
73. Identify the country that has the highest life expectancy:  
 A) Norway                      B) Singapore  
 C) Sweden                      D) Japan
74. The Late Expansion stage of Demographic transition experiences  
 A) Declining Death rate              B) Increasing Death rate  
 C) Stable Death rate              D) Increasing Birth rate
75. In Kerala, the percentage of urban population to the total population according to 2011 Census is  
 A) 29.8%                      B) 39.4%  
 C) 47.7%                      D) 52.3%
76. GSAT 16 was launched in December  
 A) 2009                      B) 2014  
 C) 2012                      D) 2011
77. Identify the CORRECT statement  
 A) According to Davis, tropical humid climate is normal for Cycle of erosion  
 B) Relief decreases in the youthful stage of Normal Cycle of erosion  
 C) Maximum relief is observed at the beginning of mature stage in the Cycle of erosion  
 D) Davisian Cycle of erosion is also referred to as the concept of Pediplanation
78. Which of the following cities experiences the vertical rays of the sun?  
 A) New Delhi                      B) Moscow  
 C) London                      D) Singapore
79. As per 2011 Census the highest decadal growth rate occurred in the district of  
 A) Kozhikode                      B) Malappuram  
 C) Kasaragod                      D) Palakkad



80. Lapias are associated with  
 A) Fluvial landforms                      B) Coastal landforms  
 C) Karst landforms                         D) Aeolian landforms
81. Principle of Uniformitarianism was explained by  
 A) Hutton                                      B) Davis  
 C) Chorley                                     D) Powell
82. Exceptionalism in Geography was outlined by  
 A) Comte                                        B) Schaefer  
 C) Spate                                         D) Dickinson
83. Who among the following is a staunch supporter of the concept of Determinism?  
 A) Febvre                                        B) Bowman  
 C) Semple                                        D) Brunhes
84. Each sheet in the India and Adjacent countries map series covers  
 A) 3° latitude and 3° longitude    B) 3° latitude and 4° longitude  
 C) 4° latitude and 4° longitude    D) 4° latitude and 6° longitude
85. In terms of population density which of the following regions is different from the other three?  
 A) Northeast Atlantic seaboard    B) Northeast Pacific seaboard  
 C) Indo Gangetic Plain                 D) Hwang Ho Plain
86. Infant Mortality rate per 1000 live births in India as per recent estimates is around  
 A) 62    B) 57    C) 42    D) 35
87. Krishnapatnam which is the first port under Public-Private Partnership is located in  
 A) Tamil Nadu                                 B) Odisha  
 C) Andhra Pradesh                            D) Karnataka
88. Southeast coast of India comes under Koppen's climatic type of  
 A) Aw    B) As    C) Am    D) Cw
89. Which of the following is a tributary of river Krishna?  
 A) Manjira                                        B) Sabari  
 C) Bhima                                         D) Hemavati
90. In Koppen's classification the symbol 'f' denotes rainfall  
 A) During summer                            B) During winter  
 C) Is very low                                 D) Throughout the year
91. Tors is a term associated with  
 A) Mass wasting                                B) Rock weathering  
 C) Types of fold                                D) Volcanism

92. The largest oil spill in the world that took place in 1991 was near  
A) Kuwait B) Gulf of Mexico  
C) California D) Persian Gulf
93. Identify the statement which is NOT true with regard to planning regions in India  
A) Bhat, Prakasa Rao and Sen Gupta are pioneers in classifying planning regions  
B) Bhat and Prakasa Rao proposed their scheme in 1964  
C) The Town and Country Planning Organization identified 16 macro regions in 1968  
D) Sen Gupta identified 7 macro regions which were further subdivided into 42 meso regions
94. The first megalopolis in the world was in  
A) Southern Japan B) Ruhr region  
C) Northeast Atlantic seaboard D) Southwest United Kingdom
95. Social Area analysis was first outlined by  
A) Berry B) Dacey C) Shevky D) Taylor
96. The country which has the largest proven oil reserves in the world is  
A) Saudi Arabia B) Kuwait  
C) Venezuela D) Iraq
97. The line joining places of equal cloud cover is called  
A) Isoneph B) Isohyet  
C) Isohume D) Isochrone
98. Which country receives more rain in winter than in summer?  
A) Italy B) Venezuela  
C) Mexico D) Poland
99. Ferrel's law is mostly applied in Climatology to  
A) Atmospheric Pressure B) Wind direction  
C) Temperate cyclone D) Specific Humidity
100. Which of the following pairs of book and author is FALSE?  
A) *Geography in the Twentieth Century* – Griffith Taylor  
B) *Explanation in Geography* – Berry  
C) *Influences of Geographic Environment* -- Semple  
D) *Study of Urban Geography* – Harold Carter
101. The number of 1:50000 Survey of India toposheet lying to the east of 57 D/7 is  
A) 57 D/6 B) 57 D/8  
C) 57 D/3 D) 57 D/11

102. Which of the following is a low level cloud?  
A) Cirrus B) Cirrocumulus  
C) Stratus D) Altocumulus
103. The Indian National Cartographic Association was established in  
A) 1979 B) 1981 C) 1986 D) 1991
104. Identify the WRONG statement  
A) Early world map was prepared by Anaximander  
B) Ptolemy's first volume of *Geography* dealt with mathematical cartography  
C) *Orbis Terrarum* was prepared by Greeks  
D) As per Indian ancient cartography *Plasca Dwipa* covered most of Africa
105. World Biodiversity Day is observed on  
A) April 22 B) May 5 C) May 22 D) June 5
106. Which of the following statements is TRUE?  
A) Stability is minimum in the Climax ecosystem  
B) Primary ecological succession may be observed in areas destroyed by forest fires  
C) The term ecosystem homeostasis refers to energy cycle  
D) Ecotone refers to boundary between two biomes
107. Trickling down effect and Polarization effect are the ideas explained by  
A) Myrdal B) Perroux  
C) Boudville D) Hirschman
108. Intensive Agricultural District Programme is an example of  
A) Integrated planning B) Sectoral planning  
C) Nodal planning D) Macro planning
109. In the ecosystem Autotrophs refer to  
A) Primary producers B) Herbivores  
C) Carnivores D) Decomposers
110. Montreal Protocol refers to the  
A) Emission of CO<sub>2</sub> B) Depletion of ozone  
C) Control of methane D) Emission of CO
111. The radiometric resolution of IKONOS satellite is  
A) 6 bit B) 8 bit C) 9 bit D) 11 bit
112. Which among the following statements relating to LANDSAT 8 is wrong?  
A) LANDSAT 8 was launched in 2013  
B) It has Operational Land Imager and Thermal Infrared Sensors  
C) The temporal resolution of LANDSAT 8 is 10 days  
D) The panchromatic spatial resolution of this satellite is 15 meters

113. The total number of satellites used in the GPS system by the USA is  
 A) 20                      B) 22                      C) 24                      D) 26
114. Which of the following regions is served by Pawan Hans?  
 A) Rajasthan                      B) Gujarat  
 C) Jharkhand                      D) Mizoram
115. National Fisheries Development Board has its headquarters at  
 A) Vishakhapatnam                      B) Kolkata  
 C) Hyderabad                      D) Bhubaneswar
116. In GIS the creation of a segment at an angle relative to an existing segment is known as  
 A) Deflection                      B) Dangle  
 C) Radian                      D) Replication
117. Which of the following statements regarding GIS is FALSE?  
 A) The world's first operational GIS was developed in Germany  
 B) The first desktop GIS product emerged for the DOS operating system in 1986  
 C) Geocoding converts street addresses into spatial data  
 D) Rubber sheeting preserves the interconnectivity between points and objects
118. Match List I with List II and identify the correct answer using the given codes

List I [location]

List II [associated with]

- I. Manikiran  
 II. Charanka  
 III. Kayathar  
 IV. Vizhinjam

1. Wind energy  
 2. Tidal energy  
 3. Geothermal energy  
 4. Bioenergy  
 5. Solar energy

- |    | I | II | III | IV |
|----|---|----|-----|----|
| A) | 5 | 1  | 2   | 3  |
| B) | 3 | 5  | 1   | 2  |
| C) | 2 | 4  | 1   | 5  |
| D) | 5 | 2  | 3   | 4  |

119. Match List I with List II and identify the correct answer using the given codes

List I [location]

List II [industry]

- I. Nangal
- II. Renukoot
- III. Sawai Madhopur
- IV. Titagarh

- 1. Aluminium
- 2. Automobile
- 3. Paper
- 4. Cement
- 5. Fertiliser

|    | I | II | III | IV |
|----|---|----|-----|----|
| A) | 3 | 1  | 4   | 2  |
| B) | 4 | 2  | 5   | 3  |
| C) | 5 | 1  | 4   | 3  |
| D) | 2 | 3  | 1   | 5  |

120. Match List I with List II and identify the correct answer using the given codes

List I [location]

List II [mineral]

- I. Ankaleshwar
- II. Karanpura
- III. Tummalapalle
- IV. Bailadille

- 1. Iron ore
- 2. Coal
- 3. Manganese
- 4. Oil
- 5. Uranium

|    | I | II | III | IV |
|----|---|----|-----|----|
| A) | 4 | 3  | 5   | 1  |
| B) | 3 | 5  | 4   | 2  |
| C) | 5 | 1  | 2   | 3  |
| D) | 4 | 2  | 5   | 1  |

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