

10. Assertion A : Large sedimentary deposits received over a long duration by the continental shelves become sources of fossil fuels
Reason R : Continental shelf receives sediments brought down by rivers, glaciers, and wind, and are distributed by waves and currents
- A) A & R are true and R is the correct reason for A
B) A & R are true but R is NOT the correct reason for A
C) A is true and R is false
D) A is false and R is true
11. The Class III Towns as per Census of India will have a population between:
A) 20000 - 49999 B) 50000 - 99999
C) 5000 - 9999 D) 10000 - 19999
12. The highest density of National Highways is found in the State of :
A) Maharashtra B) Gujarat
C) Tamil Nadu D) Uttar Pradesh
13. Conglomerate is an example of:
A) Organically formed sedimentary rock
B) Mechanically formed sedimentary rock
C) Chemically formed sedimentary rock
D) Metamorphic rock
14. The Nebular Hypothesis was proposed by:
A) Harold Jeffrey B) Immanuel Kant
C) James Jean D) Otto Schmidt
15. The Ferrel Cells occur at:
A) High Latitudes B) Middle Latitudes
C) Lower latitude D) Poles
16. Which among the following technique uses One Sheet table for identifying crop combination in a region?
A) Weaver's Method B) Doi's Method
C) Coppock's Method D) Raifulla's Method
17. The Regional Approach in Geography developed by:
A) Carl Ritter B) Alexander von Humboldt,
C) Peter Haggett D) B.J.L Berry
18. The largest producer of inland fisheries in India :
A) West Bengal, B) Kerala
C) Tamil Nadu D) Andhra Pradesh.
19. The analysis tool used in a GIS to identify areas surrounding a geographic feature :
A) Proximity Analysis B) Buffer Analysis
C) Network Analysis D) Spatial Overlay Analysis

20. Following are some of the urban centers in Kerala. Arrange them in descending order of their population size:
 1. Thrissur 2. Kochi 3. Kozhikode 4. Thiruvananthapuram
- A) 2,3,1,4 B) 4,2,3,1 C) 3,1,4,2 D) 2,4,1,3
21. Identify the cadastral map scale:
 A) 1: 25,000 B) 1: 50,000 C) 1: 63,360 D) 1:500
22. The short ornamentations stemming the upper and lower ends of the stroke of letter is called:
 A) San-Serif B) Serif C) Strokes D) Cuttings
23. The intended application of EOS-01 satellite of ISRO are:
 A) Mapping the terrain
 B) Agriculture, Forestry and Disaster Management
 C) Urban Planning
 D) Transportation Planning
24. The Pampas Grass lands are found in:
 A) Russia B) Australia C) China D) Argentina
25. The animal included in the 'critically endangered' category in the Red Data Book of IUCN:
 A) Spotted Deer B) Asiatic Elephant
 C) Wild Gaur D) Malabar Civet
26. Satellite sensors gone out of calibration resulting in loss of data is known as:
 A) Stripping B) Scan Line Dropout
 C) Digital Noise D) Elevated Values
27. The zone between 1030-1420 from the epicentre of an earthquake:
 A) Subduction Zone B) Focus Zone
 C) Shadow Zone D) Refraction Zone
28. The slipping of one or several units of rock debris / soil with a backward rotation with respect to slope over which the movement takes place is known as:
 A) Landslide B) Slump C) Debris Slide D) Rock Slide
29. The vertical distance between the bottom of the trough of a wave to the top of the crest of a wave is called:
 A) Wave Amplitude B) Wave Length
 C) Wave Frequency D) Wave Height
30. Kerala's Crude Birth rate is 16.75 and Crude Death Rate is 7.32 as per 2011 Census. The stage of Demographic Transition Kerala can be attributed to is:
 A) Stage I B) Stage IV C) Stage II D) Stage III

31. The model which states 'the migration between two places is directly proportional to the product of their population size and inversely proportional to the square of the distance between them:
- A) Central Place Model B) Concentric Ring Model
C) Gravity Model D) Multiple Nuclei Model
32. Identify the minor tectonic plate from among the following:
- A) North American Plate B) South American Plate
C) Arabian Plate D) Pacific plate
33. The largest National park in India :
- A) Desert National Park B) Gangotri National Park
C) Sanjayan National Park D) Hemis National Park
34. Who among the following belongs to 'Gold Collar' activity?
- A) Farmer B) Factory Employee
C) Senior Business Executive D) Doctor
35. The country with highest negative growth rate of population as per the current estimates :
- A) Puerto Rico B) Lithuania
C) Latvia D) Bulgaria
36. Which among the following are NOT true with regard to People Participatory Planning?
1. Respond to an intervening / controlling State
 2. Recognizes social action as active subject in their own development
 3. It is based on concrete knowledge of particular location
 4. It is authoritarian approach
- A) 1 & 3 only B) 2 & 4 only C) 1 & 4 only D) 2 & 3 only
37. The main aim of DAY- :
- A) Uplift the urban poor by enhancing sustainable livelihood opportunities through skill development.
B) Addresses urban housing shortages among Economically Weaker Sections / Low Income Groups/ Middle Income Groups
C) Urban development of capital cities of North East India
D) To provide connectivity to unconnected habitations.
38. According to the Christaller's Central Place Theory the maximum distance from the central place that people will travel to purchase goods or service, is known as:
- A) Isolated distance B) Centrality
C) Range D) Threshold
39. Which among the following cities can be considered as a Primate City?
- A) New Delhi B) Beijing C) Bangkok D) Munich
40. The Kangra Valley is in:
- A) Haryana B) Himachal Pradesh
C) Punjab D) Jammu & Kashmir

41. The Kharif season of India is between the months of:
 A) June – September B) October – March
 C) April – June D) December – February
42. Which among the following is NOT true with regard to the characteristics of CBD of an Indian city?
 A) It has maximum accessibility
 B) The rent will be very high
 C) High intensity of land use
 D) Complete absence of residential population
43. Mayurbanj Iron Ore Mines are in:
 A) Jharkhand B) Karnataka
 C) Odisha D) Madhya Pradesh
44. The common area in two successive aerial photographs in the direction of the flight line, is known as:
 A) Principle lap B) Side lap C) Forward lap D) Overlap
45. The largest coal field in India :
 A) Jharia B) Raniganj C) Korba D) Singareni
46. HRVIR Sensors are used in:
 A) SPOT Satellite B) LANDSAT Satellites
 C) IRS Satellites D) SPUTNIK Satellites
47. The digital image classification algorithm that examines the unknown pixels in a digital satellite image and aggregate them into number of classes based on natural groupings, is called:
 A) Geometric Correction
 B) Supervised Classification
 C) Un-Supervised Classification
 D) Radiometric Correction
48. The Central Institute of Petrochemicals Engineering & Technology is located at:
 A) Chennai B) Delhi C) Bangalore D) Kolkota
49. The National Highway that connects Salem in Tamil Nadu with Ernakulam in Kerala is
 A) NH 66 B) NH 544 C) NH 444 D) NH 944
50. The literacy rate in India as per 2011 Census is:
 A) 74.04% B) 87.95% C) 65.46% D) 82.14%
51. The intersecting points that result when drawing line between opposite fiducial marks on an aerial photograph is known as
 A) Nadir Point B) Fiducial Point
 C) Principal Point D) Photo Point

52. 'Aretes' are:
 A) Landforms of Glacial erosion
 B) Landforms of Glacial deposition
 C) Landforms of Aeolian erosion
 D) Landforms of Aeolian deposition
53. Which among the following is an open source software?
 A) GRASS B) MapInfo
 C) AutoCAD MAP D) ArcGIS
54. The Pepper Research Station of Kerala Agricultural University is located at:
 A) Ambalavayal B) Pattambi C) Piliocode D) Panniyur
55. The ancient philosopher who defined geography as 'the study of the earth as the home of man' :
 A) Eratosthenes B) Hecataeus C) Herodotus D) Plato
56. The letter code ET according to Koeppen's Climatic Classification indicates:
 A) Tropical Wet and Dry Climate
 B) Tundra Climate
 C) Highland Climate
 D) Mid Latitude Desert Climate
57. Which among the following are true with regard to Net Sown Area in India?
 1) Represents the total area sown with crops and orchards during the reference Year.
 2) Represents the total cultivated area cultivated and area under current fallow
 3) Area sown more than once is counted only once
 4) Includes land under miscellaneous tree crops also.
 A) Only 1 is true B) Only 2 is true
 C) 1 & 3 are true D) 2 & 4 are true
58. A community of biotic and abiotic components linked together through nutrient cycles and energy flows is known as:
 A) Ecosystem B) Environment
 C) Biome D) Ecotone
59. The current annual growth rate of population in the world :
 A) 1.12% B) 1.14% C) 1.24% D) 1.05%
60. A district is an example of a:
 A) Formal Region B) Functional Region
 C) Vernacular Region D) Political Region
61. The shape of age-sex pyramid of a country with expanding population would be:
 A) Triangle shaped B) Square shaped
 C) Bell shaped D) Narrow base and tapering tip

62. Which among the following is NOT a component of AMRUT Scheme?
 A) Urban Water Supply
 B) Urban Transportation
 C) Sewage & Septage Management
 D) Green space and parks
63. Run-length encoding is a:
 A) A GIS Overlay analysis method
 B) A raster compaction method
 C) A digital spatial analysis method
 D) A GIS Network analysis method
64. The transition zone between two biomes are called:
 A) Detrivore B) Geotope C) Ecotone D) Ecotope
65. The geometric distortions in a GIS project are corrected using
 A) Transform B) Edge matching
 C) Rubber Sheeting D) Topology Building
66. The first aerial photograph in the world was taken by:
 A) Gaaspard-Felix Tornachan B) James Wallace Black
 C) Cecil Shadboldt D) Arthur Batut
67. The most densely populated State in India as per 2011 Census :
 A) Bihar B) Kerala C) West Bengal D) Uttar Pradesh
68. The State with largest area under sugarcane cultivation in India :
 A) Maharashtra B) Tamil Nadu C) Uttar Pradesh D) Karnataka
69. The School of Geography to which Friedrich Ratzel belong:
 A) German B) French C) British D) American
70. The streams that have their courses in accordance with the initial slope of the land Surface is known as:
 A) Resequent Stream B) Obsequent Stream
 C) Consequent Stream D) Subsequent Stream
71. Identify the RAMSAR Wetlands from the following:
 1. Ashtamudi Lake
 2. Vellayani Lake
 3. Vembanad-Kole Wetlands
 4. Pookode lake
 A) 1 & 3 only B) 2 & 4 only C) 2 & 3 only D) 1 & 4 only
72. Large dome shaped intrusive bodies with level base and connected by a pipeline conduit from below, is known as
 A) Laccolith B) Batholith C) Sill D) Phacolith

73. How many times does the Spring Tide occur in a month?
 A) 2 times B) 3 times C) 1 time D) 4 times
74. Humboldt Current is a:
 A) Warm current in the Pacific Ocean
 B) Cold current in the Pacific Ocean
 C) Cold current in the Atlantic Ocean
 D) Warm current in the Indian Ocean
75. Which among the following characteristics of National Parks are NOT true?
 1. They are formed by governing bodies to preserve wildlife and evolve them
 2. They aim to protect historic natural objects as well as wildlife of the territory
 3. Boundaries are fixed by the governing administration
 4. Human activity is permitted to some specific limits
 A) 1 & 3 only B) 2 & 3 only C) 4 only D) 1 only
76. The district in Kerala which recorded lowest Crude Birth rate as per 2011 Census:
 A) Malappuram B) Kannur C) Ernakulam D) Alappuzha
77. According to the Burgess Model, Zone V is called:
 A) Zone of working men B) Zone of transition
 C) Commuter Zone D) Residential Zone
78. Which among the following is a satellite town?
 A) Bangalore B) Gurugram C) Pondicherry D) Hyderabad
79. Following are the states in India where tank irrigation is predominant. Arrange them in descending order of area under tank irrigation
 1. Maharashtra 2. Tamil Nadu 3. Andhra Pradesh 4. Karnataka
 A) 2,1,3,4, B) 4,3,2,1 C) 3,2,1,4 D) 2,3,4,1
80. Identify the drive in beach in Kerala:
 A) Kovalam Beach B) Varkala Beach
 C) Muzhipilangad Beach D) Cherai Beach
81. Snow appears white in a false colour composite because:
 A) It has high reflectance across all wave lengths in the visible spectrum
 B) It has low reflectance across all wave lengths in the visible spectrum
 C) It absorbs energy across all wave lengths
 D) It has very low reflectance of short wave infrared.
82. Part of India included under the Sundaland Biodiversity Hotspot:
 A) Lakshadweep Islands B) Andaman Islands
 C) Nicobar Islands D) Sundarbans
83. Who among the following opined that ‘the word resource is an abstraction reflecting human appraisal and relating to a function or operation’?
 A) Walter Christaller B) Erich Zimmerman
 C) Alfred Weber D) August Losch

84. The Lorraine Industrial Region is in:
 A) France B) Germany C) England D) Italy
85. The word Green Revolution was coined by:
 A) William S Gaud B) M.S. Swaminathan
 C) Whittlesey D) Dudley Stamp
86. The country with current highest annual natural growth rate of population:
 A) Nigeria B) Niger C) Zambia D) Uganda
87. An example of non-ecumene is:
 A) Mauritian Islands B) Andaman Islands
 C) Northern Siberia D) Fiji Island
88. The country that shares largest land frontier with India :
 A) Bangladesh B) China C) Pakistan D) Nepal
89. Which among the following is GI Registered agricultural product of Kerala?
 A) Idukki Cardamom B) Munnar Tea
 C) Alleppey Cardamom D) Wayanad Ginger
90. Boarder line placed around individual map area in a map layout is known as
 A) Frame Line B) Neat Line C) Border Line D) Box
91. By which colour would a deep water body appear in FCC:
 A) White B) Red C) Green D) Black
92. An aircraft flies and takes photograph at an altitude of 3750 meters. The focal length of the camera lens is 15 cm. What would be the scale of the photograph?
 A) 1:25,000 B) 1: 50,000 C) 1: 37,500 D) 1: 100,000
93. Non-Spatial information in a GIS is known as:
 A) Attribute data B) Feature data
 C) Spatial data D) Temporal data
94. Who among the following is NOT a proponent of Environmental Determinism?
 A) Carl O Sauer
 B) Ellen Churchill Semple
 C) Ellsworth Huntington
 D) Carl Ritter
95. The concept of Isolated State was used in:
 A) Losch's Industrial Location Model
 B) Von Thunen's Concentric Ring Model
 C) Christaller's Central Place Model
 D) Weber's industrial Location Model

96. Which among the following characteristics of agriculture were taken into consideration by Whittlesey while classifying the agricultural systems of the world?
1. Crop and Livestock association
 2. Productivity of crops
 3. Labour and Capital intensity
 4. Consumption pattern of production
 5. Methods and techniques used
- A) 1 & 3 only B) 2 & 5 only C) 4 & 5 only D) All the above
97. The belief that variations in human behavior around the world can be explained by the differences in natural environment, is known as:
- A) Environmental Determinism B) Determinism
C) Possibilism D) Ecological Possibilism
98. The analysis that provides a framework, within which a geographer examines shapes and forms in space, is known as:
- A) Cognitive Description B) Morphometric Analysis
C) Cause-Effect Analysis D) Temporal Analysis
99. The following are geologic eras. Arrange them from present to past
1. Paleozoic 2. Mesozoic 3. Pre-Cambrian 4. Cenozoic
- A) 2,1,4,3 B) 4,2,1,3 C) 3,1,2,4 D) 3,2,4,1
100. Assertion A : The longshore currents move parallel to the beach and carries sediments with it
Reason R : Breaking waves induce longshore current
- A) A & R are true but R is not the correct explanation of A
B) A & R are true and R is the correct explanation of A
C) A is true but R is false
D) A is false but R is true
101. Inversion of temperature in the atmosphere usually occurs during:
- A) Rainy nights with convection currents
B) Winter nights with turbulent air
C) Summer nights with mild air movements
D) Winter nights with clear skies and still air
102. Which among the following tribes of India are pastoral nomads?
- A) Gujjars B) Muthuvas C) Irular D) Gonds
103. The programme of Govt. of India which aims at the development of heritage cities of India:
- A) PMFBY B) PMGKY C) JNNRUM D) HRIDAY
104. The most urbanized district in Kerala as per 2011 Census :
- A) Thiruvananthapuram B) Malappuram
C) Alappuzha D) Ernakulam

105. A village or part of a village contiguous to a statutory town and possess urban features in terms of infrastructure and amenities is known as:
 A) Urban Agglomeration B) Out Growth
 C) Satellite Town D) Conurbation
106. Which among the following is NOT a RDBMS software?
 A) IBMDb2 B) MySQL C) dBASE D) Postgre SQL
107. Carl O Sauer was a / an
 A) American Geographer B) French Geographer
 C) British Geographer D) German Geographer
108. Match the following:

Author	Book
a . Ptolemy	1.Influence of Geographic Environment
b. Alexander von Humboldt	2. The Almagast
c. Charles Darwin	3. Kosmos
d. Ellen Churchill Semple	4. Origin of Species

- A) a- 2, b-3, c-4, d-1
 B) a-3, b-1, c-4, d-2
 C) a-4, b-3, c-1, d- 2
 D) a-1, b-2, c- 4, d-3
109. A moisture Index of above 100 according to Thornthwait’s Climatic Classification indicates:
 A) Humid Climate B) Semi-Arid Climate
 C) Per Humid Climate D) Arid Climate
110. Wildlife Institute of India is located at:
 A) Dehradun B) Kolkata
 C) Indore D) Lucknow
111. The city popularly known as the Motor City:
 A) New York B) Detroit C) Chicago D) Leipzig
112. The Concentric Ring Theory of urban structure was proposed by:
 A) Von Thunen B) H. Hoyt
 C) E.W.Burgess D) Peter Haggett
113. The geomorphological feature that forms the northern boundary of The Great Indian Plains :
 A) Bhangar B) Tarai C) Khadar D) Bhabar
114. A Chorochromatic map is a:
 A) Qualitative map B) Quantitative map
 C) Large scale map D) Small scale map

