

1. Krivoi Rog is known for its

A) Iron ore	B) Copper
C) Bauxite	D) Coal
2. The range between Kargil in the north west and Shipki la in the south east is

A) Lesser Himalayas	B) Zaskar range
C) Pir Panjal range	D) Karakoram range
3. Ban Sagar Project is on the river

A) Mahanadi	B) Indravadi
C) Sone	D) Tapti
4. Clear nights are cooler than cloudy nights because of

A) Condensation	B) Radiation
C) Insolation	D) Conduction
5. The temperature at which the water vapour condenses is called as

A) Freezing point	B) Evaporation
C) Dew point	D) Dew level
6. The presence of incised meanders indicates that the area has experienced

A) Eustatic changes	B) Glaciation in the past
C) Rejuvenation	D) Faulting
7. Match the following:

List I	List II
a. Areal differentiation	1. Haggett
b. Behavioural approach	2. Haggerstrand
c. Locational analysis	3. Hartshorne
d. Diffusion of Innovation	4. Gould
a. b. c. d.	a. b. c. d.
A) 4 3 1 2	B) 3 4 1 2
C) 2 1 3 4	D) 1 2 3 4
8. A telegram was sent from Greenwich at 12 noon. The time for transmission was 12 minutes. The telegram reached its destination at 6 p.m. The longitude of the destination is

A) 97° E	B) 87° E
C) 87° W	D) 97° W
9. Orogeny and epirogeny during the Quarternary and Tertiary are referred as

A) Cenozoic-tectonism	B) Paleo-tectonism
C) Neo-tectonism	D) Piliocene-tectonism
10. The hot dusty winds from the Sahara towards the Mediterranean Sea is called

A) Chinook	B) Fohn
C) Mistral	D) Sirocco

11. The super thermal power plant located near Singareni coal fields is
 A) Farakka B) Singarauli
 C) Korba D) Ramagundam
12. Mangrove forests cover more area in
 A) Gujarat B) West Bengal
 C) Tamil Nadu D) Orissa
13. The most important producer of nickel in the world is
 A) China B) Brazil
 C) Canada D) Venezuela
14. Match the following:
- | List I | | | | List II | | | | | |
|---------------------------|----|----|----|----------------------|----|----|----|----|---|
| a. Concentric Zone Theory | | | | 1. Garrison | | | | | |
| b. Fused Growth Theory | | | | 2. Hoyt | | | | | |
| c. Sector Theory | | | | 3. Harris and Ullman | | | | | |
| d. Multiple Nuclei Theory | | | | 4. Burgess | | | | | |
| | a. | b. | c. | d. | a. | b. | c. | d. | |
| A) | 4 | 1 | 2 | 3 | B) | 4 | 3 | 1 | 2 |
| C) | 4 | 1 | 3 | 2 | D) | 1 | 2 | 3 | 4 |
15. Topographical maps are different from atlas maps as they are
 A) Representing only relief B) Large scale maps
 C) Small scale maps D) Drawn on different projections
16. The greatest number and wider variety of animals are found in
 A) Tropical grasslands B) Tropical forests
 C) Temperate forests D) Temperate grasslands
17. Which of the following nations of Europe has reached the last stage of the demographic transition?
 A) Portugal B) France C) Spain D) Italy
18. Which of the following statements is true?
 A) The westerlies are the dominant wind systems of middle latitude
 B) The westerlies are found on either side of the equator in the tropics
 C) The westerlies blow from east to west
 D) The westerlies are also known as cold and dry winds
19. Narrow bands of strong winds in the upper troposphere are called as
 A) Occlusion B) Cyclones
 C) Jet Streams D) Typhoons
20. The 'Heartland' concept was given by
 A) Hartshorn B) Haggett
 C) Taylor D) Mackinder

21. Icelandic type of volcanoes are characterized by
 A) Fissure eruptions B) Violent eruptions
 C) Silicic lava D) Explosive tephras
22. Most of the weather phenomena take part in the atmospheric layer
 A) Ionosphere B) Stratosphere
 C) Troposphere D) Exosphere
23. The reservoir located closer to Hospet
 A) Tungabadra reservoir B) Stanley reservoir
 C) Krishnarajasagar D) Periyar reservoir
24. Karanpura is famous for
 A) Iron ore B) Manganese
 C) Copper D) Coal
25. The concept of 'Isolated State' was formulated by
 A) Christaller B) Von Thunen
 C) Malthus D) Weber
26. The projection most suitable for ocean navigation is
 A) Polar Zenithal Projection B) Sinusoidal Projection
 C) Mercator's Projection D) Molleweide Projection
27. The Earth Summit in 1992 was held at
 A) Stockholm B) Kyoto
 C) Rio de Janeiro D) London
28. South-west Asia is inhabited chiefly by
 A) Caucasians B) Mongoloids
 C) Negroids D) Austroloids
29. The scale of the one inch Indian toposheet converted into metric system is now available as
 A) 1: 5000 B) 1: 25000
 C) 1: 50000 D) 1: 100000
30. The point below the centre of the sensor on the ground is called as
 A) Geocentre B) Ground nadir centre
 C) Perspective centre D) Streocentre
31. Which one of the following is a sensor fitted with the Indian satellite?
 A) TM B) LISS IV C) HRV D) MSS
32. Which of the following satellites has the best spatial resolution?
 A) SPOT B) CARTOSAT 2
 C) IRS 1D D) IKONOS

33. San Andreas Fault is example of a
 A) Strike-slip fault B) Horst
 C) Graben D) Thrust fault
34. Normal lapse rate of the atmosphere is
 A) 5⁰C per 1000 metres B) 6.5⁰ C per 1000 metres
 C) 1⁰ C per 1000 metres D) 2.5⁰ C per 1000 metres
35. The waterway that runs through much of coastal Andhra Pradesh and ends in northern Tamilnadu
 A) Ganga-Cauveri Canal B) Telugu-Ganga Canal
 C) Buckingham Canal D) Bakra Canal
36. Which of the following districts is not rich in iron ore deposits?
 A) Durg B) Sundargarh
 C) Mayurbhanj D) Singhbhum
37. The newer alluvium in the Ganga Plain is known as
 A) Bhabar B) Terai C) Bhangar D) Kader
38. The river that originates from Amarkantak plateau is
 A) Kosi B) Cauvery
 C) Mahanadi D) Krishna
39. The first treatise on cartography was by
 A) Mercator B) Aristotle
 C) Copernicus D) Ptolemy
40. Weathering of concentric shells of rocks is called as
 A) Exfoliation B) Monodnocks
 C) Solution D) Attrition
41. Rain, hail and squall winds are associated with
 A) Cirrus clouds B) Stratus clouds
 C) Cumulus clouds D) Cumulonimbus clouds
42. Creep is associated with
 A) Weathering B) Mass wasting
 C) Erosion D) Deposition
43. The person who declared Geography as 'Erdkunde' is
 A) Ritter B) Kant C) Humboldt D) Powell
44. Atomic power plant in Gujarat State is located at
 A) Kota B) Kakrapara
 C) Kalpakkam D) Tarapur

45. G.H.Smith introduced the concept of
 A) Average slope B) Partial slope
 C) Total slope D) Relative relief
46. Which of the following is **NOT** the work of rivers?
 A) Pot holes B) Waterfalls
 C) Tombolo D) Meanders
47. A transition zone between two different air masses
 A) Occlusion B) Front
 C) Cyclone D) Wedge
48. The concept of graded stream was phrased by
 A) Mackin B) Leopold
 C) Maddock D) Holmes
49. Most places in Western Europe is habitable than places in the same latitude in Eastern Europe. This is due to the influence of:
 A) Low pressure over North Sea
 B) Gulf Stream
 C) Cold current in the Atlantic Ocean
 D) Ozone hole over Western Europe
50. Sirhand canal receives water from the river
 A) Beas B) Ravi C) Chenab D) Sutlej
51. Chikmagalur is important for the cultivation of
 A) Cardamom B) Coffee C) Tea D) Cocoa
52. 'Endrumpf' is phrased by
 A) Davis B) Johnson C) Penck D) Holmes
53. The rate of change of temperature within the rising air before condensation is called
 A) Lapse rate B) Dry adiabatic rate
 C) Wet adiabatic rate D) Environmental lapse rate
54. Pot holes are found in the ----- stage of a river.
 A) Young B) Mature
 C) Old D) Penultimate
55. Equatorial regions are cooler than the subtropical regions. This is because of
 A) Cool currents B) Higher altitude
 C) Cloudiness D) Warm currents
56. Which of the following terms was first phrased by Patrick Geddes?
 A) Urbanism B) Conurbation
 C) Metropolis D) Eopolis

57. The seasonal migration between mountains and plains by man and animals in the Central Asian region is called
A) Nomadism
B) Pastoralism
C) Transhumance
D) Immigration
58. Class I cities of India were further subdivided by Indian census 2001 from
A) M1 to M7
B) M1 to M8
C) M1 to M9
D) M1 to M10
59. The concept of Primate Pattern of cities was explained by
A) Nelson
B) Jefferson
C) Burguss
D) Hoyt
60. Which of the following is best suited for representing the distribution of rural population?
A) Bar diagram
B) Cartogram
C) Dot map
D) Choropleth map
61. The statement 'Man is the product of the Earth' is by
A) Huntington
B) Montesque
C) Ptolemy
D) Semple
62. The atmospheric temperature is maximum during
A) 10 a.m.to 11 a.m.
B) 11 a.m.to 12 noon
C) 12 noon to 1 p.m.
D) 2 p.m. to 3 p.m.
63. The ship breaking industry is located at
A) Morvi
B) Alang
C) Hazire
D) Dwarka
64. 'Resources are not; they become' stated by
A) Marx
B) Dumont
C) Zimmerman
D) Ricardo
65. Umland is an example of a
A) Homogeneous region
B) Formal region
C) Nodal region
D) Uniform region
66. Match the following:
List I
a. Thiruvananthapuram
b. Nagpur
c. Neyveli
d. Jamshedpur
a. b. c. d.
A) 4, 1, 2, 3
C) 4, 1, 3, 2
- List II**
1. Nodal town
2. Mining town
3. Industrial town
4. Administrative town
a. b. c. d.
B) 4, 2, 1, 3
D) 4, 3, 1, 2

67. The contour interval of a one inch map is
 A) 10 feet B) 50 feet
 C) 100 feet D) 150 feet
68. The sensors in the satellites record the ----- radiation from the surface of the earth.
 A) Reflected B) Scattered
 C) Absorbed D) Transmitted
69. A trophic level refers to an
 A) Area in the tropics
 B) Organism's position in a food chain
 C) Organism's position in an ecosystem
 D) Organism's position in a biome
70. The pyramid is useful to represent
 A) Population growth rate B) Age and sex ratio
 C) Birth ratio D) Death ratio
71. Mississippi delta is an example of a/an
 A) Estuarine delta B) Cuspate delta
 C) Arcuate delta D) Bird-foot delta
72. Which one of the following is the correct sequence of cloud forms in ascending order of height from the bottom?
 A) Stratus, altocumulus and cirrus
 B) Cirrus, cumulus and stratus
 C) Cumulus, cirrus and stratus
 D) Stratus, cirrus and cumulus
73. One remembers Dudley Stamp for his contributions to the
 A) Land use survey B) Quantitative analysis
 C) Qualitative analysis D) Deductive reasoning
74. Climatograph represents
 A) Rainfall B) Temperature
 C) Relative humidity D) Visibility
75. The headquarters of South Central Railway is located at
 A) Bangalore B) Vijayawada
 C) Secunderabad D) Mangalore
76. The largest and most extensive beach placer deposits in the world are in
 A) Alaska B) Kerala
 C) Brazil D) Republic of Nauru
77. Role of private sector is negligible in the case of
 A) Indicative planning B) Long-term planning
 C) Economic planning D) Imperative planning

78. Rank-size rule was postulated by
 A) Johnson B) Zipf
 C) Taylor D) Haggett
79. Which one of the following surfaces is useful to draw the Zenithal projections?
 A) Cylindrical surface B) Conical surface
 C) Spherical surface D) Plane surface
80. The tendency of pollutants to become concentrated in successive trophic levels is known as
 A) Bio-remediation B) Bio-magnification
 C) Bio-piracy D) Bio-rhythm
81. Which one of the following has the longest wave length?
 A) IR B) UV C) Blue D) Gamma
82. A model of population growth that characterises a society moving through and completing the industrial revolution and associated health care is
 A) Demographic transition B) Malthus theory
 C) Ricardo model D) Carl Saunder Model
83. An erosional landform produced by glaciers
 A) Moraine B) Arete
 C) Till plain D) Esker
84. Deposits of opaque with rough textured crystals of ice is
 A) Sleet B) Hail C) Graupel D) Rime
85. Who discovered the instrument 'astrolabe'?
 A) Hectaeus B) Heredotus
 C) Hipparchus D) Anaximander
86. Imaginary lines joining places having equal degree of cloudiness are known as
 A) Isotherms B) Isohyets
 C) Isochrones D) Isopnephs
87. The term dry summer subtropics refers to
 A) 'Ds' climate B) 'Cs' climate
 C) 'Dw' climate D) 'Cw' climate
88. Systematic regionalization of world agriculture was attempted by
 A) Whittlessey B) Stamp
 C) Taylor D) Ritter
89. The way in which an introduction of an activity acts as stimulus effecting a series of positive changes is known as
 A) Multinational effect B) Multiplier effect
 C) Multipurpose effect D) Multispectral effect

90. The present day discontinuous expansion of cities into rural areas is characterised as
 A) Urban fringe B) Urban growth
 C) Urban sprawl D) Urban dynamics
91. An imaginary line from where elevations/heights are measured is known as
 A) International Date Line B) Datum line
 C) Agonic line D) Level line
92. To detect an aircraft, RADAR makes use of
 A) Sound waves B) Electric waves
 C) Microwaves D) Ultrasonic waves
93. The international protocol to protect the ozone layer is the
 A) Montreal Protocol B) Kyoto Protocol
 C) Vienna Protocol D) Cartegene Protocol
94. *Geography: A Modern Synthesis* is authored by
 A) Berry B) Peet
 C) Isard D) Hagett
95. Rainfall that occurs due to the intense heating of the atmosphere from below is
 A) Orographic rainfall B) Convectional rainfall
 C) Cyclonic rainfall D) Frontal rainfall
96. The first man to explain about the periodic winds is
 A) Ibne Yunus B) Al Idrisi
 C) Al Masudi D) Ibne Hawkal
97. The headquarters of World Meteorological Organisation is located at
 A) London B) New York
 C) Paris D) Geneva
98. Which of the following is a pioneer of white revolution in India?
 A) Aavin B) Amul C) Milma D) Cavin
99. The concept of least cost to location theory was introduced by
 A) Weber B) Losch C) Haggett D) Dicey
100. Growth Pole concept was put forth by
 A) Misra B) Perroux
 C) Haggerstrand D) Losch
101. Christaller's concept of centrality is based upon
 A) Hierarchy B) Principle of least effort
 C) Range of goods D) Law of gravitation

102. A device that aids 3-D vision
 A) Pantograph B) Psudoscope
 C) Telescope D) Stereoscope
103. In image processing, contrast stretching is employed for
 A) Image classification B) Image enhancement
 C) Image rectification D) Image detection
104. To understand the influence of a point, line and area over the surrounding, we employ
 A) Filtering B) Fussy logic
 C) Buffering D) DEM
105. The primary cause of acid rain around the world is
 A) Carbon di-oxide B) Sulphur di-oxide
 C) Carbon monoxide D) Ozone
106. The weather conditions associated with an anticyclone are
 A) Hot and wet B) Cold and severe
 C) Wet and cold D) Fine and dry
107. To find out the location of an object using GPS, minimum number of satellites required is
 A) 2 B) 3 C) 4 D) 5
108. Weinganga is a tributary of the river
 A) Krishna B) Godavari
 C) Mahanadi D) Narmada
109. Which one of the following is a foot loose industry?
 A) Iron and steel B) Sugar
 C) Hosiery D) Cement
110. Losch introduced the concept of
 A) Isolated State B) Central Place
 C) Economic Landscape D) Sector Relationship
111. Which one of the following is a tool of PRA?
 A) Transect B) Questionnaire
 C) Schedule D) Telephonic Interview
112. The depopulated town due to its economic collapse is called as a
 A) Market town B) Nodal town
 C) Decentralized town D) Ghost town

113. The Survey of India (SOI) was established in the year
 A) 1767 B) 1851 C) 1867 D) 1945
114. Which one of the following is to measure the height of an object more accurately?
 A) RADAR B) LiDAR C) DTM D) TIN
115. Mistral is found in
 A) N .America B) South America
 C) Europe D) Australia
116. Which of the following National Highways does not pass through Kerala?
 A) N H 17 B) N H 7
 C) N H 47 D) N H 49
117. Find out the city that does not receive vertical sun rays:
 A) Chennai B) Hyderabad
 C) Nagpur D) Kanpur
118. Which are the states that are leading in the generation of wind power?
 A) Tamilnadu and Kerala B) Tamilnadu and Karnataka
 C) Tamilnadu and Gujarat D) Tamilnadu and Odisha

Use the following options as answer key for questions 119 and 120 of Assertion/Reason Type:

- A) Both [A] and [R] are true and [R] is the correct reason**
B) Both [A] and [R] are true but [R] is not the correct reason
C) [A] is true but [R] is false
D) [A] is false but [R] is true

119. [A] Japan is one of the leading industrial countries of the world.
 [R] Japan has a large mineral resources base
120. [A] Thermal Equator mostly lies to the north of the True Equator
 [R] Large land masses are found in the Northern Hemisphere
