

10. Which one of the following is **NOT** a vector format?
 A) Point B) Polygon C) Grid D) Line
11. The term 'Geopolitics' was coined by:
 A) Carl Sauer B) Hoover C) J R Kjellen D) Plato
12. Which among the following is **NOT** an active sensor?
 A) SAR B) LIDAR C) GPR D) LISS
13. The correct sequence of the five tier 'growth pole hierarchy' in India according to R P Misra:
 A) Central Village – Growth Point – Service Center – Growth Center – Growth Pole
 B) Central Village – Service Center – Growth Point – Growth Center – Growth Pole
 C) Service center – Central village – Growth Center – Growth Point – Growth Pole
 D) Central Village – Growth Center – Growth Point - Service Center – Growth Pole
14. Which one of the following rivers have large braided channels?
 A) Brahmaputra B) Ganga C) Indus D) Mahanadi
15. Identify the Navigation system developed by India:
 A) GLONASS B) GPS C) IRNSS D) GALELIO
16. The Peninsula river which has the largest drainage basin:
 A) Godavari B) Krishna C) Cauvery D) Mahanadi
17. The river in which Victoria Falls is located:
 A) Zaire B) Zambezi C) Orange D) Niger
18. Submarine canyons are found in:
 A) Oceanic deep B) Continental shelf
 C) Continental slope D) Abyssal plain
19. Among the following which does **NOT** contain fossils?
 A) Shale B) Sandstone C) Granite D) Conglomerate
20. The infra-red wavelength of Electromagnetic Radiation lies between:
 A) 0.4 μm and 0.7 μm B) 0.7 μm and 1mm
 C) 0.7 μm and 14 μm D) 1mm and 1m
21. The concept of "Natural Regions" was introduced by:
 A) F. Ratzel B) Richthofen C) I. Bowman D) Herbertson
22. The largest producer of gold in the world:
 A) China B) Brazil C) Canada D) Australia
23. Which of the following is **NOT** a monsoon region?
 A) South and South-east Asian region
 B) Western European region
 C) Guinea coast region
 D) North-west Australia region

24. Assertion (A): The shift of ITCZ is greater over land surface than over the sea in northern hemisphere.
Reason (R): In summer season the sea surface are more heated than the land surface.
- A) A and R are true and R is the correct explanation of A.
B) A and R are true but R is not the correct explanation of A.
C) A is true but R is false.
D) A is false but R is true.
25. Assertion (A): The core of the earth is made by heavy metals.
Reason (R) : Heavy metals are attracted towards center of the earth.
- A) A and R are true and R is the correct explanation of A.
B) A and R are true but R is not the correct explanation of A.
C) A is true but R is false.
D) A is false but R is true.
26. Assertion (A): The eastern sides of oceans are always warmer than the western margins.
Reason (R) : The El-Nino warm current flows in the eastern side of Atlantic ocean.
- A) A and R are true and R is the correct explanation of A.
B) A and R are true but R is not the correct explanation of A.
C) A is true but R is false.
D) A is false but R is true.
27. Assertion (A): The moon produces greater percentage of Earth's tides than the Sun.
Reason (R) : The Moon is closer to the Earth than the Sun.
- A) A and R are true and R is the correct explanation of A.
B) A and R are true but R is not the correct explanation of A.
C) A is true but R is false.
D) A is false but R is true.
28. Assertion (A): Japan is one of the places in the world experiencing devastatingly large earthquakes.
Reason (R) : Convergent plate margins are sites of volcanic eruptions.
- A) A and R are true and R is the correct explanation of A.
B) A and R are true but R is not the correct explanation of A.
C) A is true but R is false.
D) A is false but R is true.
29. 'Guyot' is :
- A) A flat topped sea-mount B) A coral island
C) A terraced continental shelf D) A volcanic island
30. Lambert's equal-area projection is best suited to:
- A) Mid-latitudinal area B) Tropical area
C) Equatorial area D) Polar area

31. The state which has the largest production of wind energy in the country:
 A) Rajasthan B) Karnataka C) Tamil Nadu D) Andhra Pradesh
32. Badland topography is the characteristic of:
 A) Gulf of Kuchch B) Andaman and Nicobar Islands
 C) Sunderban Delta D) Chambal valley
33. Which one of the following pairs do NOT match correctly?
 A) R M Minshull – Regional Geography: theory and Practice
 B) P E James – All possible worlds
 C) R J Johnston – Twentieth Century Geography
 D) Spencer and Thomas – Introducing Cultural Geography
34. The term ‘Social Darwanism’ was coined by:
 A) Jafferson B) Spencer C) Darwin D) Haeckel
35. Which of the following are the Biomes of the first order?
 1. Tropical Biome 2. Mediterranean Biome 3. Temperate Biome 4. Tundra Biome
 A) 1, 3 and 4 B) 1 and 2 only C) 1 only D) 1 and 3 only
36. A pair of aerial photographs with overlap is called:
 A) Stereo pair B) Orthophoto
 C) Aerial mosaic D) Aerial composite
37. Which one of the following regions is practicing most intensive subsistence farming?
 A) Pampas Region B) Darling Basin
 C) Monsoon Asia D) California Valley
38. The term ‘Umland’ refers to:
 A) Heart of a town B) Residential area of a town
 C) Satellite town D) Area surrounding a town
39. Shillong is situated in:
 A) Mikir Hills B) Khasi Hills C) Garo Hills D) Naga Hills
40. Match list I with list II
- | List I | List II |
|--------------------------------|-------------------|
| a. Modern Geographical thought | 1. J A Steers |
| b. Cosmos | 2. Mayer and Kohn |
| c. Unstable Earth | 3. R Peet |
| d. Readings in Urban Geography | 4. Humboldt |
- A) a-3, b-4, c-2, d-1 B) a-2, b-4, c-3, d-1
 C) a-1, b-2, c-4, d-3 D) a-3, b-4, c-1, d-2
41. A characteristic landform at the lateral stage of first phase of landform development as conceived by Penck is:
 A) Haldenhang B) Boschungen
 C) Inselbergs D) Piedmont treppen

42. In which of the following climates will chemical weathering the most rapid?
 A) Hot and dry B) Cold and Humid
 C) Hot and Humid D) Cold and dry
43. Ghost towns are :
 A) Flourished towns B) Deserted towns
 C) Developed towns D) Towns affected by natural calamities
44. Match list I (Landform) with list II (Agent)
List I **List II**
 a. Pot holes 1. Wind
 b. Paternoster lake 2. Waves
 c. Barchans 3. River
 d. Coves 4. Glacier
- A) a-4, b-3, c-2, d-1 B) a-2, b-4, c-3, d-1
 C) a-3, b-4, c-1, d-2 D) a-2, b-1, c-4, d-3
45. Choose the correct pair based on Koeppen's Climatic classification:
 A) Aw - China type B) Cfa– Humid sub tropical
 C) Cw - Mediterranean type D) Cs - Savanna climate
46. The cold current converging with the warm Gulf stream at the Grand Banks:
 A) Oyashio Current B) California current
 C) Falkland current D) Labrador current
47. Headquarter of Survey of India is located in:
 A) Ahmedabad B) Dehradun C) New Delhi D) Hyderabad
48. Identify the type of volcanism characterized by emission of lava from parallel fissures and often build lava plateaus:
 A) Pelean type B) Strombolian type
 C) Icelandic type D) Hawaiian type
49. Red Data Book provides information about:
 A) Endangered species of plants and animals
 B) Rare Species of plants and animals
 C) Extinct species of plants and animals
 D) Wild Species of plants and animals
50. In Christaller's model Administrative principle is indicated by:
 A) $K = 3$ B) $K = 4$ C) $K = 2$ D) $K = 7$
51. The Concentric circle theory of city morphology was developed by:
 A) E. Burgess B) Munford C) Hoyt D) Ullman
52. The hot dry wind blowing in North-west India during summer is:
 A) Kalbaisakhi B) Loo winds C) Jet streams D) Norwester

53. Among the following which one is TRUE?
 A) The source region of Continental Polar airmass is Northern interior Mexico
 B) Continental Arctic airmasses are associated with low clouds and showers in winter
 C) Continental Tropical airmasses take its source from hot and dry regions
 D) Maritime Polar airmasses are originating from Eastern sub-tropical Pacific
54. Which of the following river basin is called as the 'Ruhr of India'?
 A) Godavari B) Krishna C) Hooghly D) Damodar
55. The key concept in humanistic geography is:
 A) Spatial location
 B) Spatial concentration human welfare activities
 C) Development and quality of life
 D) Geographical distribution of human races
56. Identify the block mountain from among the following:
 A) Karakonam Range B) Satpura Range
 C) Nilgiri Mountains D) Sahyadri Mountains
57. Isohaline is joining the places having equal values of :
 A) Rainfall B) Salinity
 C) Snowfall D) Sea surface temperature
58. The oldest rocks in India are reported from:
 A) Dharwar Region, Karnataka B) TheShivalik Range
 C) The Naga Hills D) TheVindhyan Range
59. Which of the following is/ are true about La Nina?
 1. La Nina event triggers when the surface temperature is colder than average in the eastern Pacific
 2. La Nina presents more wetter conditions than normal conditions
 3 La Nina causes frequent hurricane activity in the Atlantic
 4. La Nina causes increased rainfall in Chile and Peru.
 A) 1 only B) 1, 3 & 4 only C) 1 & 2 only D) 1, 2 & 3 only
60. Choose the **WRONG** pair from among the following:
 A) North Pacific current – Warm current
 B) East Australian current – Cold current
 C) Falkland current – Warm current
 D) Agulhas current – Warm current
61. Arrange the following states in India based on their rank in sex ratio as per Census 2011:
 1. Kerala 2. Tamil Nadu 3. Chattisgarh 4. Andhra Pradesh
 A) 1, 2, 3 and 4 B) 1, 4, 2 and 3 C) 1, 3,4 and 2 D) 1, 2, 4 and 3
62. The concept of "Backwash effect" was formulated by:
 A) Mahabala Rao B) Losch
 C) Myrdal D) None of these

63. The Union territory of India having the highest density of population as per Census 2011:
 A) Lakshadweep B) Chandigarh
 C) Delhi D) Puducherry
64. Which among the following is a volcanic island in India?
 A) Narcondam B) Rameswaram
 C) New Moore D) Majuli island
65. The state in India leading in salt production:
 A) Rajasthan B) Gujarat C) Tamil Nadu D) Kerala
66. The bird foot deltas are formed by:
 A) Tidal processes B) Waves
 C) Rivers D) Glaciers
67. The multipurpose project which is a joint venture of Madhya Pradesh and Rajasthan:
 A) Chambal valley Project B) Kosi Project
 C) Koyna Project D) Narmada valley Project
68. The instrument used for reduction and enlargement of maps is:
 A) Rotameter B) Ergograph
 C) Pantograph D) Seismograph
69. River Gomti is a tributary of:
 A) Yamuna B) Brahmaputra C) Ganga D) Sutlej
70. The method resorted for the construction of contours:
 A) Drawing of profiles B) Hachures method
 C) Hill shading method D) Interpolation method
71. Find the **odd** one to spatial information technique from among the following:
 A) GIS B) SPSS C) GPS D) Remote sensing
72. Which one of the following is known as a glacial epoch?
 A) Paleocene B) Eocene C) Miocene D) Pleistocene
73. The Five Year Plan during which NABARD was established :
 A) Sixth B) Fifth C) Fourth D) Eleventh
74. The emphasis in Welfare geography is :
 A) Aspects of quality of life
 B) Regional balanced development
 C) Public-Private partnership in development
 D) Urban and industrial development
75. Glacial control theory on coral formation was put forwarded by:
 A) Davis B) Murray C) Daly D) Darwin

76. Match list I (Books) with list II (Author) :
- | List I | List II |
|--------------------------|----------------|
| a. GeographicaGenerallis | 1. Hartshorne |
| b. Nature of Geography | 2. Ptolemy |
| c. Almagast | 3. Aristotle |
| d. Meteorologica | 4. Varenius |
- A) a-1, b-3, c-2, d-4 B) a-4 ,b-1, c-3,d-2
 C) a-4, b-1, c-2, d-3 D) a-3, b-4, c-1, d-2
77. The concept of Geosyncline is associated with:
 A) Penck and Davis B) Woolrigdge and Morgan
 C) Holmes and Hess D) J Hall and J Dana
78. Which one among the following has formed due to tectonic forces?
 A) Hanging valley B) Rift valley
 C) Superimposed valley D) Consequent stream
79. The form of heat transfer responsible for the creation of thunderstorms are:
 A) Convection B) Conduction C) Radiation D) Advection
80. The state in India which has the largest production of oilseeds:
 A) Rajasthan B) Madhya Pradesh
 C) Gujarat D) Haryana
81. The largest fresh water lake in Kerala:
 A) Sasthamkotta Lake B) Periyar Lake
 C) Pookode Lake D) Vellayani Lake
82. Mohorovicic discontinuity is found between:
 A) Crust and Mantle of the earth
 B) Mantle and core of the earth
 C) Outer core and inner core
 D) Lithosphere and Aesthenosphere
83. The state in India with maximum number of million cities as per Census 2011:
 A) Maharashtra B) Andhra Pradesh
 C) Tamil Nadu D) Uttar Pradesh
84. The portion of the atmosphere significant for telecommunication is:
 A) Troposphere B) Stratosphere
 C) Mesosphere D) Ionosphere
85. If a map in the scale of 1: 25,000 has been reduced two times, what will be the scale of the reduced map?
 A) 1: 100,000 B) 1: 50,000 C) 1: 12,500 D) 1:6,250

86. Match list I (Industries) with list II (Activity) and choose the correct answer from the code below
- | | |
|---------------|------------------------|
| List I | List II |
| a. Major | 1. Cloth weaving |
| b. Footlose | 2. Printing |
| c. Small | 3. Car manufacturing |
| d. Cottage | 4. Computer Assembling |
- A) a-1, b-3, c-2, d-4 B) a-4 ,b-1, c-2,d-3
 C) a-3, b-4, c-2, d-1 D) a-3, b-4, c-1, d-2
87. The one which is **NOT** associated with metamorphic rocks is:
 A) Phyllite B) Granite C) Quartzite D) Schist
88. The fiord coasts are created by:
 A) Waves B) Rivers C) Glaciers D) Volcanoes
89. Cropping intensity refers to:
 A) Ratio between Gross cropped area and net sown area
 B) Gross cropped area
 C) Diversity of crops in an area
 D) Number of crops in an area
90. Identify the factors responsible for Green Revolution in India:
 1. Provision for agricultural loans 2. Use of HYV seeds
 3. Expansion of irrigation 4. Nationalization of banks
- A) 2, 3 & 4 only B) 1, 2 & 3 only
 C) 2 & 3 only D) 1,2,3 & 4
91. The theory, "Law of Migration", was proposed by:
 A) Ravenstein B) Robinson C) Zelinsky D) Jennissen
92. Who among the following used Precipitation effectiveness and Thermal efficiency as the basis for world's climatic classification?
 A) Trewartha B) Kendall C) Koeppen D) Thornthwaite
93. Which of the following cities has planned development?
 A) Kanpur B) Gandhinagar C) Agra D) Dispur
94. The following are the climatic regions in India as per Koeppen's classification. Identify the correct sequence of them from south to north:
 1. Amw 2. Cwg 3.AS 4. E
- A) 2,4,3,1 B) 1, 3, 2, 4 C) 3, 4, 2,1 D) 2, 1, 3, 4
95. Which one of the following is **not** hydro- meteorological?
 A) Tsunami B) Sea erosion
 C) Tropical cyclone D) Snow Avalanche

96. The river to which Manjira is a tributary:
A) Godavari B) Cauvery C) Mahanadi D) Krishna
97. Identify the state in India which has the following characteristics:
1. It is located on the same latitudinal circle which passes through northern Rajasthan
2. Eighty percent of its area is under forests.
3. Over 12% of its forest cover constitute protected area network in the state.
A) Jharkhand B) Arunachal Pradesh
C) Meghalaya D) Nagaland
98. The geographer who applied empirical cum statistical methods for classifying urban centres is:
A) Harris B) Nelson C) Berry D) Dickinson
99. An urban centre which has a low annual range of temperature:
A) Bengaluru B) Guwahati
C) Thiruvananthapuram D) Mumbai
100. The most widespread soil in Kerala is:
A) Alluvial soil B) Laterite soil C) Sandy soil D) Black soil
101. The theory which is **NOT** related with urban land use:
A) Multiple nuclei theory B) Concentric zone theory
C) Central Place theory D) Sector theory
102. Identify the **odd** one from among the following:
A) Peneplain B) Pediplain C) Hamada D) Beach
103. Choose the correct arrangement of the following states based on their density of population in descending order :
1. Kerala 2. West Bengal 3. Bihar 4. Uttar Pradesh
A) 1, 3, 2 and 4 B) 1, 4, 3 and 2 C) 3, 2, 1 and 4 D) 4, 2, 3 and 1
104. Identify the peak which is NOT of Western ghats:
A) Anamudi B) Dodabetta
C) Meesapulimala D) Mahendragiri
105. Identify the anvil shaped cloud from among the following:
A) Cumulus B) Cumulonimbus
C) Altocumulus D) Stratocumulus
106. Arrange the following maps from small scale to large scale in their ascending order and choose the correct answer from the codes given below:
1. Topographic maps 2. Atlas maps 3. Cadastral maps 4. Wall maps
A) 2, 4, 1 & 3 B) 1, 3, 2 & 4 C) 1, 2, 3 & 4 D) 2, 1, 3 & 4

107. The largest producer of Copper in the world:
 A) Russia B) USA C) Chile D) Malaysia
108. Which among the following is a terrestrial biome?
 A) Streams B) Swamps
 C) Tropical rain forests D) River
109. The lines joining places of equal “additional transportation cost” as introduced by Weber:
 A) Isotims B) Isohalines C) Isochrones D) Isodapanes
110. Which of the following is the leading in ship-building industry?
 A) Singapore B) Spain C) India D) Japan
111. Among the following languages, the most spoken one in the world is-----.
 A) Chinese B) English C) Hindi D) Spanish
112. Select an open source software from among the following:
 A) Geo Media B) QGIS C) Map Info D) Arc Info
113. Among the following -----is not a Tiger Reserve.
 A) Manas B) Sariska C) Chinnar D) Corbett
114. Panama canal connects:
 A) North sea and Caspian sea
 B) Mediterranean sea and Red sea
 C) Baltic sea and Mediterranean sea
 D) Atlantic with Pacific ocean
115. An organism derives its intake of nutrition from other sources of organic carbon are :
 A) Predators B) Autotrophs C) Heterotrophs D) Synthesisers
116. Minamata disease was associated with:
 A) Cadmium pollution B) Mercurial pollution
 C) Arsenic pollution D) Lead Pollution
117. A map in which thematic variables are substituted for area or distance is known as:
 A) Cartograms B) Isopleths
 C) Choropleths D) Chorochromatic maps
118. Who among the following has been credited with the development of Demographic transition Theory?
 A) Malthus B) Ricardo C) Woods D) Thompson
119. Kyoto Protocol came into force in:
 A) 2005 B) 2012 C) 1997 D) 1990
120. The altitude of geostationary orbit is approximately:
 A) 600 to 900 Km B) 30,000 to 36,000 Km
 C) 3,000 to 5, 000 Km D) 20,000 to 29,000 Km
