



9. The most important development in Geographical Methodology that took place during 1950s is:
  - A) Quantitative Revolution
  - B) Central Place Model
  - C) Sea Floor spreading concept
  - D) Von Thunen Model
10. Identify the correct sequence in descending order of the following language families in terms of the number of people speaking them.
  - A) Indo-European, Sino-Tibetan, Niger-Congo, Afro-Asiatic
  - B) Afro-Asiatic, Sino-Tibetan, Indo-European, Niger-Congo
  - C) Sino-Tibetan, Afro-Asiatic, Indo-European, Niger-Congo
  - D) Indo-European, Afro-Asiatic, Sino-Tibetan, Niger-Congo
11. Leptorrhine, a parameter used in racial classification is related to human:
  - A) Blood group
  - B) Head
  - C) Hair
  - D) Nose
12. Barmer in Rajasthan is significant for the production of:
  - A) Copper
  - B) Petroleum
  - C) Zinc
  - D) Uranium
13. Among the Indian States the largest producer of fruits in 2014 is:
  - A) Himachal Pradesh
  - B) Tamil Nadu
  - C) Maharashtra
  - D) Kerala
14. The headquarters of Indian Meteorological Department is located at:
  - A) Pune
  - B) Kolkata
  - C) Bengaluru
  - D) Mumbai
15. The Indian Space Research Organization was established in:
  - A) 1969
  - B) 1972
  - C) 1974
  - D) 1979
16. Set of points located at the edges or corners of aerial photograph are known as
  - A) Principal points
  - B) Fiducial marks
  - C) Georeference points
  - D) Co ordinates
17. A set of procedures for encoding and manipulating bearings, distances and angles of Survey data into Co ordinate data is known as:
  - A) COGO
  - B) Cartesian coordinate system
  - C) Calibration
  - D) Cascading
18. Assembling large images from smaller segments that have common angular orientations, cell sizes and map projections is called
  - A) Aliasing
  - B) Tiling
  - C) Thinning
  - D) Skeletonizing
19. Change in position of an image from one aerial photograph to the next by the aircraft's motion is known as:
  - A) Parallax
  - B) Displacement
  - C) Tilting
  - D) Drift

20. Survey of India toposheet with 1:250000 scale represents an area covering:  
 A) 1° latitude and 1° longitude  
 B) 45' latitude and 45' longitude  
 C) 30' latitude and 30' longitude  
 D) 15' latitude and 15' longitude
21. Aspect of slope plays a major role in temperature distribution in:  
 A) Tropical highlands                      B) Coastal areas  
 C) Mid latitude mountains                D) Semi arid areas
22. Identify the ocean current which is different from the other three.  
 A) Benguela current                        B) Humboldt current  
 C) Canaries current                        D) Florida current
23. Identify the **CORRECT** statement regarding salinity of oceans.  
 A) Average Salinity of the ocean is about 45 parts per thousand  
 B) Salinity off the coast of Belem in South America is due to low evaporation  
 C) The Black sea outflow through Bosphorus is cooler and less saline  
 D) North sea has low salinity because of its location at the higher latitudes
24. The major aim of National Livelihood Mission is:  
 A) Poverty reduction                      B) Sustainable development  
 C) Improving nutrition                      D) Reducing infant mortality rate
25. Which of the following programmes is related to improving rural sanitation?  
 A) Nirmal Bharat Abhiyan                B) JNNURM  
 C) Rajiv Awas Yojana                      D) National Rural Health Mission
26. Match List I with List II and identify the correct answer using the given codes.

**List I**

[Author]

**List II**

[Book]

- I. Thornbury  
 II. Carter  
 III. Harvey  
 IV. Hartshorne

1. *Urban Geography*  
 2. *Explanation in Geography*  
 3. *Geography: A Modern Synthesis*  
 4. *The Nature of Geography*  
 5. *Principles of Geomorphology*

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



37. Which of the following is **NOT** a form of precipitation?  
 A) Sleet                      B) Hail                      C) Snow                      D) Dew
38. Consider the following statements with regard to tropical cyclones and identify the correct answer using codes given below:  
 1. Temperate cyclone in the Caribbean region are called Typhoons  
 2. Eye of the tropical storm is usually an area of calm condition  
 3. Tropical cyclones lose their strength after landfall  
 A) 1, 2 and 3 are correct                      B) Only 2 and 3 are correct  
 C) Only 1 and 3 are correct                      D) Only 3 is correct
39. In Koppen's climatic types which of the following has rare occurrence?  
 A) 'Af' type                      B) 'Am' type  
 C) 'As' type                      D) 'Aw' type
40. Which of the following statements is **WRONG**?  
 A) Karl Hassert provided the first outline of Urban Geography in 1907  
 B) Raoul Blanchard evolved the site and situation approach to study cities  
 C) Christaller used number of telephones as indicator for his Central Place Theory  
 D) Burgess explained the Concentric Zone Theory of urban land use in 1939
41. Which of the following is a Formal region?  
 A) Hinterland                      B) City region  
 C) Steppe                      D) Neighbourhood
42. Rashtriya Kisan Vikas Yojana aiming at 4% growth rate in agriculture was launched during:  
 A) Sixth Plan Period                      B) Eighth Plan Period  
 C) Twelfth Plan Period                      D) Eleventh Plan Period
43. Which of the following statements regarding Himalayas is **WRONG**?  
 A) They are mostly made up of sedimentary formations  
 B) Major part of Himalayan orogeny took place during Triassic period  
 C) The part of Himalayas between Sutlej and Kali rivers is called Kumaon  
 D) Pir Panjal range occurs in the western part of Middle Himalayas
44. As per the Wildlife Institute of India the number of Biogeographic regions in India is:  
 A) 4                      B) 8                      C) 10                      D) 15
45. The State with the highest Decadal growth rate of population during 2001-2011 is:  
 A) Meghalaya                      B) Mizoram  
 C) Arunachal Pradesh                      D) Bihar

46. In the Zenithal projection when the source of light is in the centre of the globe we get:  
 A) Gnomonic projection                      B) Stereographic projection  
 C) Equal Area projection                      D) Orthographic projection
47. The correct number of Survey of India toposheet that is to the north of 58/K/9 is:  
 A) 58/K/10              B) 58/J/12              C) 58/J/10              D) 58/L/12
48. It is generally considered that the first map of the world was prepared by:  
 A) Ptolemy              B) Hipparchus              C) Herodotus              D) Anaximander

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

**List I**

[Geomorphologists]

- I. Johnson  
 II. Agassiz  
 III. Mercalli  
 IV. L.C.King

**List II**

[related to]

1. Pediplanation  
 2. Ice age concept  
 3. Weathering  
 4. Classification of coast  
 5. Earthquake

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

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

**List I**

[Terms]

- I. Spit  
 II. Uvala  
 III. Spalling  
 IV. Slump

**List II**

[related to]

1. Karst region  
 2. Mass Wasting  
 3. Weathering  
 4. Hill slope  
 5. Sea wave action

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

51. Necropolis and Eopolis are terms used in the classification of cities by:  
 A) Taylor              B) Mumford              C) Berry              D) Harris

52. The term conurbation was first used by:  
 A) Geddes      B) Losch      C) Mumford      D) Taylor
53. Identify the correct sequence of Districts in Kerala in the descending order as per the total number of towns in 2011.  
 A) Thrissur, Kannur, Ernakulam, Kozhikode  
 B) Ernakulam, Kozhikode, Thrissur, Kannur  
 C) Ernakulam, Thrissur, Kozhikode, Kannur  
 D) Kozhikode, Ernakulam, Kannur, Thrissur
54. Which of the following countries does not experience declining population currently?  
 A) Japan      B) Iran      C) Ukraine      D) Bulgaria
55. The continent having the highest average annual growth rate of population in 2015 is:  
 A) Africa      B) Asia  
 C) South America      D) North America
56. Consider the following statements regarding Population of 60+ years and identify the correct answer using the codes given below:  
 1. In 2015 population of 60+ years accounted for 12% share in the world population  
 2. Among the continents this share is the highest in Europe  
 3. Between 2015 and 2050 there will be a gradual decline of population of 60+ years  
 A) 1, 2, 3 are correct      B) Only 1 and 2 are correct  
 C) Only 3 is correct      D) Only 2 and 3 are correct
57. The panchromatic resolution of WorldView 3 satellite is:  
 A) 0.8 metres      B) 0.6 metres      C) 0.5 metres      D) 0.3 metres
58. Which of the following is NOT an Open source GIS package?  
 A) GRASS      B) ERDAS IMAGINE  
 C) ILWIS      D) QGIS
59. The process in GIS in which a raster is stretched differentially to match a new set of geometric constraints is known as:  
 A) Buffering      B) Overlay  
 C) Rubber Sheeting      D) Boolean operations
60. Identify the correct sequence of fluvial landforms from source to destination of a river.  
 A) Pothole, Meander, Distributary  
 B) Distributary, Pothole, Meander  
 C) Pothole, Distributary, Meander  
 D) Distributary, Meander, Pothole





68. In Kerala the district which ranks first in Tapioca cultivation is:  
 A) Thiruvananthapuram                      B) Kollam  
 C) Idukki    D) Kottayam
69. Donetz basin in Ukraine is rich in  
 A) Coal    B) Petroleum  
 C) Bauxite    D) Iron ore
70. Match List I with List II and identify the correct answer using the given codes.

**List I**  
 [Location]

**List II**  
 [Mineral]

- I. Mesabi  
 II. Donetz  
 III. Baku  
 IV. Katanga

1. Coal  
 2. Copper  
 3. Iron ore  
 4. Manganese  
 5. Oil

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

71. In the atmosphere the layer which helps communication is:  
 A) Stratosphere                                      B) Mesosphere  
 C) Ionosphere    D) Thermosphere
72. Line joining places having the same amount of sunshine is called:  
 A) isohel                      B) isocheim                      C) isohume                      D) isoneph
73. Other than Vidal de la Blache the geographer who explained Human Geography in detail is:  
 A) Jean Brunhes    B) Ellen Semple  
 C) Huntington    D) Humboldt
74. Consider the following statements regarding 2011 urban population of Kerala and identify the correct answer using the codes given below:  
 1. Average level of urbanization in Kerala in 2011 was higher than that of India  
 2. Among the city corporations, Kochi had the largest population  
 3. Malappuram Urban agglomeration had a higher population than that of Thiruvananthapuram Urban agglomeration
- A) 1, 2, 3 are correct                                      B) Only 1 and 2 are correct  
 C) Only 1 and 3 are correct                                      D) Only 2 and 3 are correct

75. As per the Multiple Nuclear theory the structure of a city is:  
 A) Concentric zones                      B) Sectors  
 C) Polygons                                D) Cellular
76. The idea of Primate pattern of urban centres was outlined first by:  
 A) Northam      B) Jefferson      C) Dickinson      D) Zipf
77. In 2014-2015 the continent from where India got its largest imports is:  
 A) North America                      B) Asia  
 C) Europe                                 D) South America
78. Identify the correct descending order sequence of countries to which India exports goods in 2014-2015.  
 A) USA, Japan, China  
 B) China, USA, Saudi Arabia  
 C) Saudi Arabia, USA, China  
 D) USA, UAE, Hong Kong
79. States which had the highest share in coal production in India in 2014 is:  
 A) Jharkhand & Madhya Pradesh  
 B) Chhattisgarh & Jharkhand  
 C) West Bengal & Odisha  
 D) Andhra Pradesh & Jharkhand
80. Identify the **CORRECT** statement regarding lapse rate of temperature.  
 A) Normal lapse rate is  $3.3^{\circ}$  C for every 1000m ascent  
 B) Dry Adiabatic Lapse Rate is less than Wet Adiabatic Lapse rate  
 C) In adiabatic cooling heat is removed due to volume expansion  
 D) An air mass undergoes Dry Adiabatic lapse rate after dew point
81. Minamata disease was the result of water pollution containing excessive:  
 A) Sodium                                 B) Pottassium  
 C) Mercury                                 D) Uranium
82. The language family which has the maximum number of living languages now is:  
 A) Niger-Congo                            B) Indo-European  
 C) Austranesian                            D) Sino-Tibetan
83. As per Mackinder, the 'Heartland' in his theory refers to:  
 A) Inland Europe                         B) South Asia  
 C) Eastern China                         D) North Africa

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

**List I**

[submarine landform]

**List II**

[ocean]

- |                                |                            |
|--------------------------------|----------------------------|
| I. Telegraph plateau           | 1. Southern Indian ocean   |
| II. Kuril trench               | 2. Northern Atlantic ocean |
| III. Amsterdam-St Paul plateau | 3. Southern Pacific ocean  |
| IV. Tonga trench               | 4. Northern Pacific ocean  |
|                                | 5. Southern Atlantic ocean |

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

85. World Ocean day is observed on:

- A) 3 March      B) 22 March      C) 22 May      D) 8 June

86. Three Mile Island disaster is related to:

- A) Water Pollution      B) Tsunami  
C) Nuclear Plant      D) Air Pollution

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

**List I**

[National Park]

**List II**

[State]

- |                  |                              |
|------------------|------------------------------|
| I. Kanha         | 1. Rajasthan                 |
| II. Bandipur     | 2. Andaman & Nicobar Islands |
| III. Ranthambore | 3. Madhya Pradesh            |
| IV. Wandur       | 4. Odisha                    |
|                  | 5. Karnataka                 |

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

88. **Assertion [A] :** Aleutian low pressure occurs in Pacific ocean

**Reasoning [R] :** Water is a slow absorber and releaser of heat than land

- A) Both "A" and "R" are true and "R" is the correct explanation for "A"  
B) Both "A" and "R" are true but "R" is NOT the correct explanation for "A".  
C) "A" is True but "R" is False  
D) "A" is False but "R" is True

89. The second largest producer of maize in the world next to USA is:  
 A) China                      B) Brazil                      C) Argentina                      D) Mexico
90. Identify the correct descending order sequence of countries with regard to total merchandise imports in the world in 2014.  
 A) India, Japan, China                      B) USA, China, Germany, Japan  
 C) Japan, China, India, Russia                      D) Russia, Japan, India, China
91. Which of the following is the largest hydel power generation location?  
 A) Chapeton                      B) Syncrude Tailings  
 C) Three Gorges                      D) Lower Usuma
92. In a map Hachuring is a method that is used to represent:  
 A) relief                      B) canals and drainage  
 C) settlement density                      D) canopy density
93. In enlargement and reduction Similar Triangle method is best suited for:  
 A) Hilly areas                      B) Rivers  
 C) Reserved Forests                      D) Settlement areas
94. The most common Slope Analysis method was developed by:  
 A) Foster                      B) Taylor  
 C) Wentworth                      D) Monkhouse
95. Hanging wall and Foot wall are terms associated with:  
 A) Fold                      B) Fault  
 C) Weathering                      D) Mass movement
96. Identify the **WRONG** statement regarding clouds.  
 A) Cloud is a form of condensation  
 B) Cirrocumulus cloud is sometimes known as Mackerel sky  
 C) Cirrostratus clouds are capable of forming halos around sun or moon  
 D) Nimbostratus clouds are High level clouds
97. The largest producer of wind energy in the world:  
 A) India                      B) China                      C) Spain                      D) Germany
98. **Assertion [A] :**                      Oxbow lakes occur in the flood plain due to straightening of the River course  
**Reasoning [R] :**                      There is erosion in the outer curve of meander and deposition in the inner curve
- A) Both “A” and “R” are true and “R” is the correct explanation for “A”  
 B) Both “A” and “R” are true but “R” is NOT the correct explanation for “A”.  
 C) “A” is True but “R” is False  
 D) “A” is False but “R” is True

99. In world crude steel production percentage share of China in 2015 is:  
 A) 25                      B) 32                      C) 41                      D) 50
100. Other than West Bengal the State which has large area under mangroves is:  
 A) Andhra Pradesh                      B) Maharashtra  
 C) Odisha                      D) Gujarat
101. The Indian satellite that was launched from Kourou in October 2016 is:  
 A) GSAT 18                      B) Cartosat 2B  
 C) Astrosat                      D) SARAL
102. Share of Inland fisheries to the total fish production in India in 2014 is:  
 A) 37 %                      B) 41 %                      C) 52 %                      D) 64 %
103. In Demographic Transition Declining birth rate and Declining death rate occurs in:  
 A) Low Stationary Stage                      B) Early Expanding Stage  
 C) Late Expanding Stage                      D) High Stationary Stage
104. Which of the following is NOT a preventive check in Malthusian Theory of Population?  
 A) Diseases                      B) Late Marriage  
 C) Self control                      D) Celibacy
105. Todaro has developed a theory of population related to its:  
 A) Density                      B) Migration  
 C) Growth                      D) Age structure
106. Which of the following areas does not have Black soil?  
 A) Kathiawar peninsula                      B) Malwa plateau  
 C) Chotanagpur plateau                      D) Bundelkhand plateau
107. Manjira is a major tributary for river:  
 A) Krishna                      B) Godavari                      C) Cauvery                      D) Mahanadhi
108. As per 2011 Census the share of Class III towns to the total urban population in India is:  
 A) 7 %                      B) 9 %                      C) 12 %                      D) 15 %
109. Lapies are found in:  
 A) Desert region                      B) Karst region  
 C) Flood plains                      D) Coastal plains
110. Cultural Landscape studies was elaborated by:  
 A) Carl O Sauer                      B) Friedrich Ratzel  
 C) Ellen Semple                      D) Jean Brunhes

111. Consider the following statements and identify the correct answer using the codes given below:
1. Ellen Semple is a staunch propagator of Environmental Determinism
  2. Ptolemy is considered as Father of Modern Geography
  3. Modern Geomorphology is based on the ideas of Hutton and Playfair
- A) 1, 2, 3 are correct                      B) Only 1 and 2 are correct  
 C) Only 1 and 3 are correct                D) Only 2 and 3 are correct
112. Principle of Terrestrial Unity was an idea propogated by:
- A) Carl Ritter                                      B) Vidal de la Blache  
 C) Von Richthofen                                D) Humboldt
113. As per Ancient Indian Geography, the present day Siberia and Northeast Asia is called
- A) Kusa Dwipa                                      B) Plaska Dwipa  
 C) Puskara Dwipa                                 D) Kraunca Dwipa
114. Match List I with List II and identify the correct answer using the given codes.
- | <u>List I</u>   | <u>List II</u>  |
|---|---|
| [Author]  | [Theme]   |
| I. Pattison<br>II. Peet<br>III. Hagerstrand<br>IV. Hartshorne | 1. Radicalism<br>2. Spatial Diffusion<br>3. Four Traditions in Geography<br>4. Behaviouralism<br>5. Areal Differentiation |
- 
- |    |   |    |     |    |
|----|---|----|-----|----|
|    | I | II | III | IV |
| A) | 4 | 1  | 2   | 3  |
| B) | 5 | 1  | 2   | 4  |
| C) | 2 | 4  | 1   | 5  |
| D) | 3 | 1  | 2   | 5  |
115. Which of the following statements regarding ecosystem is **CORRECT**?
- A) Natural Balance in ecosystem is also known as sere  
 B) Omnivores make the food web simpler  
 C) Decomposers in the ecosystem are also known as saprotrophs  
 D) Secondary ecological succession is observed on a new volcanic island

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

**List I**

[Authors]

- I. Auroousseau
- II. Hoyt
- III. Dickinson
- IV. Gottman

**List II**

[terms]

- 1. City region
- 2. Boswash
- 3. Urban Population Density Model
- 4. Functional classification of towns
- 5. Sector Model

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

117. Which of the following Indian States has the lowest level of urbanization in 2011?

- A) Odisha
- B) Rajasthan
- C) Jharkhand
- D) Bihar

118. The most notable MGNREGA Programme came into force from:

- A) January 2002
- B) April 2004
- C) July 2005
- D) February 2006

119. Durgapur steel plant was established with the collaboration of:

- A) Russia
- B) Germany
- C) United Kingdom
- D) Japan

120. The radiometric resolution of IKONOS satellite is:

- A) 6 bit
- B) 8 bit
- C) 10 bit
- D) 11 bit

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