

1. Louis Agassiz has propounded the concept of
 - A) Isostasy
 - B) Ice Age
 - C) Sea Floor Spreading
 - D) Convection Currents
2. Identify the **WRONG** statement
 - A) Studies on Mid-Atlantic Ridge led to the concept of Sea Floor Spreading
 - B) East coast of Asia is an example for Convergent Plate boundary
 - C) Pangaea started breaking during Permian period
 - D) Wegener assumed an equator-ward and a westward force for continental drift
3. Roche Moutonne is a landform associated with the action of
 - A) Glacier
 - B) River
 - C) Wind
 - D) Sea waves
4. Palaeozoic glacial evidence supporting continental drift was found in
 - A) North America
 - B) Europe
 - C) Siberia
 - D) South America
5. Which of the following layers of atmosphere helps communication?
 - A) Stratosphere
 - B) Mesosphere
 - C) Ionosphere
 - D) Exosphere
6. When an unsaturated air mass goes up the initial rate of cooling is called
 - A) Dry Adiabatic Lapse rate
 - B) Wet Adiabatic Lapse rate
 - C) Normal Lapse rate
 - D) Environmental Lapse rate
7. The part of Himalayas between Rivers Kali and Sutlej is known as
 - A) Kumaon
 - B) Pir Panjal
 - C) Siwaliks
 - D) Zaskar range
8. Which of the following pairs is **CORRECT**?
 - A) Mistral – Hotwind
 - B) Sleet – Precipitation
 - C) Hail – Condensation
 - D) Trough – High pressure
9. National Waterway 1 links
 - A) Kollam and Kottapuram
 - B) Allahabad and Haldia
 - C) Sadiya and Dhurbri
 - D) Kakinada and Puducherry
10. Among the given States the share of Forests to the total area is the highest in
 - A) Goa
 - B) Kerala
 - C) Andhra Pradesh
 - D) Orissa

11. When Survey of India toposheet has a number 58/K/7/SE, the R.F. will be
A) 1:10000 B) 1:20000
C) 1:25000 D) 1:50000

12. Which of the statements is **WRONG** with regard to Greek geographers?
A) Anaximander prepared the first map of the world
B) Miletus was developed by Greeks as a centre for geographical studies
C) Hectataeus believed earth as a circular plane with Greece in the centre
D) Herodotus measured the circumference of the earth almost correctly

13. Pittsburgh – Youngstown region is notable for the production of
A) Aluminium B) Chemicals
C) Iron & Steel D) Cotton Textiles

14. In 2012 the country which ranked second in coffee production next to Brazil is
A) Colombia B) India
C) Ivory coast D) Vietnam

15. Who among the following does not support the idea of Possibilism?
A) Blache B) Brunhes
C) Buckle D) Bowman

16. As per Census 2011 the number of Million Cities/Urban Agglomerations is
A) 35 B) 53 C) 61 D) 76

17. Identify the landform which is different from the other three
A) Monadnock B) Hum
C) Inselberg D) Mesa

18. Which of the following is NOT a form of condensation?
A) Fog B) Frost C) Hail D) Cloud

19. Identify the FALSE statement among the following
A) Clouds are classified as per form
B) Cirrus is a high altitude cloud
C) Cumulus clouds generally indicate fair weather
D) Altocumulus clouds are also called “Mackerel sky”

20. The steel industry which was established during the Third Five Year Plan is
A) Bokaro B) Bhilai
C) Rourkela D) Durgapur

21. Coalescence of alluvial fans at the foothill region of semiarid regions is called
A) Bajada B) Playa
C) Pediment D) Arroyo

22. Points exactly on the opposite sides of the earth which form two points for diameter of the earth are called
 A) Aphelion B) Antipodes
 C) Antipoles D) Apogee
23. Which of the following climatic types of Koppen has rare occurrence?
 A) Cs B) Cf C) Ds D) Df
24. Which of the following deserts is considered as the driest?
 A) Sahara B) Kalahari
 C) Gobi D) Atacama
25. Which is NOT represented on the map of Indian Daily Weather Report?
 A) Absolute temperature B) Wind velocity
 C) Cloud cover D) Mist
26. Raw, Keen, Muggy and Scorching are the terms associated with
 A) Climatograph B) Climograph
 C) Climatic graph D) Ergograph
27. The GPS system developed by European Agency is called
 A) GAGAN B) GALILEO
 C) GLONASS D) NNRSS
28. TM is associated with
 A) IRS ID B) SPOT
 C) LANDSAT D) CARTOSAT
29. Which of the following statements is **WRONG**?
 A) Line joining points in each meridian having the highest average temperature is called Thermal equator
 B) Annual thermal equator lies to the southern hemisphere because of less land area
 C) Equator and thermal equator are two different lines
 D) Thermal equator moves north and south due to apparent movement of sun's rays
30. The National Highway connecting Salem with Thiruvananthapuram is
 A) NH 7 B) NH 45 C) NH 47 D) NH 49
31. In 2011, the share of population in urban agglomerations to total urban population in Kerala is
 A) 65% B) 70%
 C) 80% D) More than 90%

32. Central Sheep Breeding Farm is established at
 A) Suratgarh
 B) Hessarghatta
 C) Hissar
 D) Alamadhi
33. The most significant producer for copper in the world is
 A) Chile B) Japan C) Russia D) USA
34. The largest offshore oilfield in the world is
 A) Burgan B) Gawar
 C) Kirkuk D) Safania
35. Who among the following does not belong to Greek School of Geography?
 A) Herodotus B) Hipparchus
 C) Strabo D) Anaximander
36. August Comte's method of approach is known as
 A) Idealism B) Pragmatism
 C) Positivism D) Functionalism
37. Isotropic surface was considered as the basic area for the concept of
 A) Slope Decline B) Growth Pole
 C) Continental Drift D) Central Places
38. What is the correct sequence of geological time from young to old?
 A) Quaternary, Cretaceous, Carboniferous, Cambrian
 B) Cretaceous, Quaternary, Cambrian, Carboniferous
 C) Cambrian, Carboniferous, Quaternary, Cretaceous
 D) Quaternary, Carboniferous, Cretaceous, Cambrian
39. The Three Mile Island disaster is associated with
 A) Oil Pollution B) Water Pollution
 C) Nuclear Pollution D) Air Pollution
40. The Great London Smog Disaster happened in December in
 A) 1952 B) 1958 C) 1962 D) 1982
41. Which of the following statements is **TRUE**?
 A) Pyroclast refers to the fragmented volcanic material like bomb, cinder, ash, etc
 B) Basalt is the type of rock formed due to less viscous acidic lava
 C) Dyke is an example for Extrusive igneous rock
 D) Rock formed from a cemented mass of fine volcanic ash and dust is called breccia

42. Which of the following statements is **WRONG**?
- A) When streams converge to form tree like pattern it is called Dendritic drainage
 - B) Streams that maintain their course even when there was uplift are called Super imposed drainage
 - C) Subsequent streams develop over weaker strata of rock
 - D) A dome or conical upland has usually Radial drainage
43. Which among the following is an example for a functional region?
- A) Selva
 - B) Steppe
 - C) Taiga
 - D) Umland
44. Which of the following is a Hot local wind?
- A) Bora
 - B) Sirrocco
 - C) Blizzard
 - D) Mistral
45. Which of the following States recorded the highest Decadal growth rate between 2001 – 2011 ?
- A) Bihar
 - B) Chattisgarh
 - C) Madhya Pradesh
 - D) Rajasthan
46. The least urbanized district in Kerala as per 2011 Census
- A) Idukki
 - B) Pathanamthitta
 - C) Wayanad
 - D) Palakkad
47. MNREGS is a programme which comes under
- A) Spatial Planning
 - B) Sectoral Planning
 - C) Perspective Planning
 - D) Microlevel Planning
48. In Population studies Carr Saunders is associated with
- A) Economic Base Studies
 - B) Migration
 - C) Optimum Population
 - D) Occupational Structure
49. Ablation is a process associated with
- A) Glacier
 - B) Sea waves
 - C) Wind
 - D) Underground water
50. Which of the following statements is **WRONG**?
- A) Subtropical Anticyclone is a pressure cell of thermal origin
 - B) Subtropical Anticyclone is a discontinuous belt in the northern hemisphere
 - C) Subpolar low is a continuous belt in the southern hemisphere
 - D) Aleutian low is a part of Sub polar low pressure belt
51. Cfa in Koppen's Climatic classification indicates
- A) Mediterranean region
 - B) Humid Subtropics
 - C) Steppe region
 - D) Marine West coasts

52. Identify the **WRONG** statement
- A) Uttar Pradesh is the largest producer of sugar in India
 B) Maharashtra ranks second in the production of sugar in India
 C) West Bengal has a share of 15% in sugar production of the country
 D) Yield per hectare for sugarcane is the highest in Tamilnadu
53. Sasan Ultra Mega Power Project is located in
- A) Madhya Pradesh B) Maharashtra
 C) Orissa D) Uttar Pradesh
54. The number of Railway zones in India is
- A) 12 B) 14 C) 16 D) 19
55. Which part of India comes under Koppen's "As" type of climate?
- A) Aravalli B) Coastal Tamilnadu
 C) Konkan D) Vidharbha
56. Which of the following statements is **WRONG**?
- A) Shallow continental shelf helps fishing in North Sea region
 B) Mixing ocean currents make Grand Banks as a major fishing ground
 C) Tropical areas provide conducive atmosphere for fishing
 D) Peru is the country with the largest fish production in the world
57. Country where Nuclear power has the largest share to the total power generation is
- A) Canada B) France C) Germany D) Japan
58. A series of tightly packed parallel over folds is called
- A) Anticline B) Nappe
 C) Recumbent fold D) Isoclinal fold
59. A line joining places of zero magnetic declination is called
- A) Isohaline B) Isogon C) Isoneph D) Isohel
60. Identify the correctly matched pair of Principles and supporting authors
- A) Areal Differentiation – Ritter
 B) Anthropogeographie – Hartshorne
 C) Unity in Diversity – Ratzel
 D) Exceptionalism – Schaefer
61. Among the following who has NOT explained urban population density model?
- A) Clark B) Morrill C) Newling D) Tanner
62. As per Christaller's central place theory the 'k' value for Administrative Principle is
- A) 3 B) 4 C) 6 D) 7

63. Which of the following satellites helps in Communication?
 A) CARTOSAT B) IRS ID
 C) RESOURCESAT D) INSAT
64. Which of the following describes Radio metric resolution?
 A) 1.6 metres B) 22 days
 C) 8 bit data D) Band 7
65. A zone of specific distance around coverage features useful for proximity analysis in GIS is called
 A) Polygon B) Buffer
 C) Layer D) Island
66. Appearance of jagged lines on a raster display is called
 A) Cascade B) Clump
 C) Rubber Sheeting D) Aliasing
67. In Digital Image Processing data from sources other than Remote Sensing used to assist in analysis and classification is called
 A) Ancillary data B) Raster data
 C) Vector data D) Metadata
68. The term Saprotroph in the Ecosystem refers to
 A) Green Plants B) Herbivores
 C) Carnivores D) Decomposers
69. A transition zone where plant communities naturally merge into one another is called
 A) Biotope B) Biotite
 C) Ecotone D) Ecotope
70. Homeostasis in ecosystem refers to
 A) Food web B) Food pyramid
 C) Energy flow D) Natural balance
71. In Planning, the terms Spread effect and Backwash effect are explained by
 A) Perroux B) Minshull
 C) Myrdal D) Duncan
72. The 12th Five Year Plan set an average growth rate target of
 A) 5.5% B) 6.5% C) 8.2% D) 9.4%
73. As per Census 2011 the population density is the highest in
 A) Bihar B) Kerala
 C) West Bengal D) Uttar Pradesh

74. Which of the following regions has a higher diurnal range than annual range of temperature?
A) Equatorial region B) Tropical Desert
C) Tropical Monsoon D) Steppe region
75. In both the hemispheres the term Horse Latitudes refer to latitudes between
A) 20° and 25° B) 45° and 50°
C) 30° and 35° D) 40° and 45°
76. The port developed under Public Private Partnership Programme is
A) Krishnapatnam B) Machilipatnam
C) Nagapatnam D) Vishakapatnam
77. Among the districts of Kerala maximum increase in census towns occurred between 2001 and 2011 in
A) Ernakulam B) Kannur
C) Thrissur D) Thiruvananthapuram
78. Barmer basin in Rajasthan is notable for the mining of
A) Copper B) Lignite
C) Iron ore D) Oil
79. Which of the following is notable for generation of renewable energy?
A) Korba B) Kayathar
C) Obra D) Ramagundam
80. Pawan Hans provides services related to
A) Transport B) Telecommunication
C) Tourism D) Information Technology
81. When isobars are very closely spaced the pressure gradient is
A) Low B) Stable
C) High D) Moderate
82. Which of the following is a source region for Tropical cyclones?
A) Black Sea B) Caribbean Sea
C) Red Sea D) Mediterranean Sea
83. Most of rainfall in Western Europe is due to
A) Convection B) Fronts
C) Monsoon D) Orography
84. As per Census 2011 the highest literacy rate among the given States is in
A) Himachal Pradesh B) Tamilnadu
C) Maharashtra D) Gujarat

85. Which of the following States are significant for production of tobacco?
 A) Andhra Pradesh & Gujarat B) Andhra Pradesh & Bihar
 C) Gujarat & Karnataka D) Karnataka & Bihar
86. As per ancient Indian Cartography Krauca Dwipa refers to
 A) Southeast Asia B) West Africa
 C) Northwest Europe D) Southwest Asia
87. The map projection which was developed by Hassler is known as
 A) Polyconic B) Bonne's
 C) Gnomonic D) Stereographic
88. Beaufort Scale ranges from
 A) 0 to 10 B) 1 to 10
 C) 0 to 12 D) 1 to 12
89. Wave theory of Frontogenesis was propounded by
 A) Kendrew B) Thornthwaite
 C) Miller D) Bjerkenes
90. A region which approaches totality of the combined physical, biotic and social content of area is called
 A) Growth centre B) Growth pole
 C) Hinterland D) Compage
91. In Zenithal projection when the source of light is from infinity the projection is called
 A) Orthographic B) Orthomorphic
 C) Gnomonic D) Stereographic
92. Climatograph is a diagram developed by
 A) Foster B) Geddes
 C) Munns D) Taylor
93. On a Map, Hachuring is used as a method to represent
 A) Drainage B) Settlements
 C) Transport D) Relief
94. International Projection is a modified form of
 A) Aitoff's projection B) Lambert's projection
 C) Polyconic projection D) Sinusoidal projection
95. Nearest neighbour technique is used to study the distribution of
 A) Industries B) Settlements
 C) Waterbodies D) Forests

96. Which of the following Statements is **FALSE**?
- A) Continental interiors usually have low average annual rainfall
 - B) Most of the rainfall in continental interior occurs due to convection
 - C) Continental interiors have a low average annual range of temperature
 - D) Distance from the sea is the main factor for low rainfall
97. Which of the following Statements regarding equatorial forests is **FALSE**?
- A) They mostly have hardwood trees
 - B) Many trees are commercially valuable
 - C) Growth of plant is the fastest than any other region
 - D) Accessibility and low density makes them to be more useful for lumbering
98. Which of the following Statements is **TRUE**?
- A) Principle of Areal Differentiation was explained by Hutton
 - B) W.M. Davis is considered the father of Modern Geomorphology
 - C) Dudley Stamp is noted for his contribution to land use analysis
 - D) Jean Brunhes is a major supporter of Determinism
99. Identify the correct chronological sequence of the given Geographers.
- A) Ritter, Blache, Semple, Spate
 - B) Semple, Blache, Ritter, Spate
 - C) Ritter, Semple, Spate, Blache
 - D) Spate, Ritter, Blache, Semple
100. Who among the following has NOT written a text book on Urban Geography?
- A) Carter
 - B) Haggett
 - C) Northam
 - D) Taylor
101. The term Necropolis refers to a
- A) Industrial city
 - B) Commercial city
 - C) Transport city
 - D) Dead city
102. Which of the following is associated with Active Remote Sensing?
- A) AVHRR
 - B) LISS
 - C) RBV
 - D) SLAR
103. If an area is to be mapped on large scale the most useful satellite will be
- A) LANDSAT
 - B) SPOT
 - C) IKONOS
 - D) IRS ID
104. Identify the **WRONG** statement
- A) Climatic Geomorphology is also sometimes known as Process Geomorphology
 - B) German and French geographers contributed more to Climatic Geomorphology
 - C) Sea wave action is considered as a Zonal process
 - D) Peltier's scheme of Morphogenetic region is widely used

105. In Demographic Transition, the Late Expanding Stage is characterized by
 A) High Birth & High Death rates
 B) High Birth & Low Death rates
 C) Declining Birth & Death rates
 D) Low Birth & Low Death rates
106. The total number of Biosphere reserves in India as on 2012 is
 A) 12
 B) 15
 C) 17
 D) 18
107. Explaining the urban growth, Patrick Geddes used the term
 A) Urban Ecology
 B) Conurbation
 C) Social Area
 D) Megalopolis
108. Which land use model has “Outlying Central Business District” as a zone?
 A) Concentric zone model
 B) Sector Model
 C) Multiple Nuclei Model
 D) Social Area model
109. Kalgoorlie is notable for the mining of
 A) Coal
 B) Gold
 C) Iron ore
 D) Bauxite
110. In Pearson’s Product Moment Correlation, if the calculated value of co-efficient is 5.5/ it indicates
 A) High Positive correlation
 B) High Negative correlation
 C) Low Positive correlation
 D) Wrong calculation
111. Who has written a text book on Cartography?
 A) Haggett
 B) Robinson
 C) Berry
 D) Harvey
112. Which of the following is not a major coalfield in India?
 A) Karanpura
 B) Talcher
 C) Noamundi
 D) Singrauli
113. As per 2012 estimate, among the world countries India’s rank in export is
 A) 10
 B) 14
 C) 16
 D) 19
114. Wheeler island from which testing of Indian Missiles is undertaken is in
 A) Andhra Pradesh
 B) Tamilnadu
 C) Orissa
 D) West Bengal

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

List I [terms]

- I. Harmattan
- II. Warm sector
- III. Bora
- IV. Anabatic

List II [associated with]

- 1. Temperate cyclone
- 2. Cold local wind
- 3. Up valley wind
- 4. Tropical cyclone
- 5. Hot local wind

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

116. Uvala and Polje occur in:

- A) Deserts
- B) Karst region
- C) Tundra region
- D) Coastal areas

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

List I [location]

- I. Nagarkatiya
- II. Jaduguda
- III. Talcher
- IV. Gorumahisanj

List II [mineral]

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

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

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

List I [location]

- I. Katanga
- II. Burgan
- III. Kiruna
- IV. Kuznetsk

List II [mineral]

- 1. Coal
- 2. Copper
- 3. Bauxite
- 4. Iron ore
- 5. Oil

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

The following two questions are of Assertion and Reasoning type. Read them and choose the correct answer from the options given below

119. **Assertion (A):** Snow line occurs at lower altitude in Western Himalayas than Eastern Himalayas

Reasoning (R): Western Himalayas have a more northerly location than Eastern Himalayas

- 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

120. **Assertion (A):** Vegetation in Mediterranean regions exhibit xerophytic characteristics

Reasoning (R): Mediterranean region receives more rain in summer

- 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
