

A

16610

120 MINUTES

1. The concept of Ice Age was formulated in detail by
 - A) Gilbert
 - B) Powell
 - C) Agassiz
 - D) Chorley

2. Identify the WRONG statement with regard to fault.
 - A) Horizontal displacement along a fault is called heave
 - B) Nappe refers to reverse fault
 - C) Graben refers to the part of the rock that slips down between two fault lines
 - D) When the offset is primarily horizontal the fault is called Strike-slip fault

3. The diurnal range of temperature is greater than annual range in
 - A) Dry continental region
 - B) Equatorial region
 - C) Sub polar region
 - D) Tropical Savanna region

4. Mistral is a cold wind blowing from
 - A) Southern France
 - B) Eastern Germany
 - C) Northern Canada
 - D) Northern Ukraine

5. Density crater and Density rim are terms associated with the model of
 - A) Shevky
 - B) Newling
 - C) Hoyt
 - D) Clark

6. Consider the following statements regarding Malthusian theory of population and identify the correct answer using the codes given below:
 1. According to Malthus population grows at geometric progression
 2. Late Marriage and Celibacy are some of the positive checks
 3. War, famine and natural disasters are some of the preventive checks
 - A) 1, 2, 3 are correct
 - B) Only 1 and 2 are correct
 - C) Only 1 is correct
 - D) Only 2 and 3 are correct

7. Who among the following proposed a theory on population migration?
 - A) Ravenstein
 - B) Dalton
 - C) Malthus
 - D) Clark

8. Auguste Comte is considered to be the first person to propagate
 - A) Behaviouralism
 - B) Naturalism
 - C) Positivism
 - D) Humanism

9. Which of the following statements regarding Systems approach is **WRONG**?
- A) The General Systems theory can be understood better through cybernetics
 - B) Cybernetics places more emphasis on interaction rather than cause and effect
 - C) Feedback relationship in a system is a one-way process
 - D) In series relation the elements of a system are connected by an irreversible link
10. Cephalic Index, a parameter used in racial classification is related to human
- A) Eye
 - B) Head
 - C) Hair
 - D) Blood group
11. The Four Traditions in Geography was the explanation given by
- A) Harvey
 - B) Pattison
 - C) Berry
 - D) Haggett
12. Epicanthic fold is a feature particularly associated with
- A) Australoid race
 - B) Caucasoid race
 - C) Negroid race
 - D) Mongoloid race
13. One of the largest known reserves of uranium in the world is found in India at
- A) Jaduguda
 - B) Mohuldih
 - C) Tummalapalle
 - D) Bagjata
14. Identify the port which is different from the other three
- A) Paradip
 - B) Khandla
 - C) Kochi
 - D) New Mangalore
15. Indian Maritime University was set up at
- A) Vishakapatnam
 - B) Panaji
 - C) Karwar
 - D) Chennai
16. Identify the correct sequence of steel plants from old to new as per their year of establishment in India
- A) Jamshedpur, Rourkela, Bhilai, Bhadravathy
 - B) Jamshedpur, Bhadravathy, Rourkela, Bhilai
 - C) Bhadravathy, Jamshedpur, Bhilai, Rourkela
 - D) Rourkela, Jamshedpur, Bhilai, Bhadravathy
17. Which of the following statements is **WRONG** ?
- A) Krishnapatnam is a port in Andhra Pradesh
 - B) It is the first major privately built and owned port
 - C) It is an all weather deep sea port
 - D) It is one of the 13 major ports in India
18. Which country has declining population as per World Population Prospects 2015?
- A) Sweden
 - B) France
 - C) Canada
 - D) Japan

19. Among the following the area with the lowest population density is
 A) Northern Chile B) Southeastern Canada
 C) Southeastern USA D) Southern Spain
20. The second largest producer of coffee in the world next to Brazil is
 A) Vietnam B) Colombia C) Indonesia D) India
21. The country which accounts for nearly two-thirds of world butter exports is
 A) USA B) New Zealand C) India D) Australia
22. Nearly 75% of the total domestic power generation is from nuclear power plants in
 A) Japan B) Hungary C) France D) Ukraine
23. The first Indian space observatory ASTROSAT was launched in
 A) March 2014 B) September 2014
 C) March 2015 D) September 2015
24. The total number of satellites in the Indian GPS constellation is
 A) 5 B) 7 C) 10 D) 14
25. Identify the WRONG statement
 A) ARC GIS is a software developed and marketed by ESRI
 B) ESRI User conference 2016 is to be held at San Diego
 C) ARC GIS 10.2 is the latest version released in 2015
 D) More than 350000 organizations in the world rely on ESRI software
26. Which of the following is NOT possible with aerial photo?
 A) Three dimensional view with stereoscope
 B) Actual value of elevation above mean sea level
 C) Calculation of Relative Height
 D) Side Overlap of photos
27. Identify the statement which is WRONG.
 A) Lehmann devised the method of hachuring
 B) Foster devised a type of climograph
 C) Raw, Keen, Muggy and Scorching are terms used by Foster
 D) Climatograph represents only temperature
28. Which of the following type of cloud occurs at high altitude?
 A) Stratus B) Cirrus
 C) Altocumulus D) Nimbus
29. Which of the following type of wind is different from the other three?
 A) Khamsin B) Scirocco C) Bora D) Harmattan

30. Consider the following statements with regard to temperate cyclones and identify the correct answer using codes given below:
1. Temperate cyclone develops due to frontogenesis
 2. Frontogenesis is a phenomenon observed along the coastal region
 3. In occlusion cold front undercuts warm front and eliminates it
- A) 1 and 2 are correct B) 1 and 3 are correct
 C) 2 and 3 are correct D) Only 3 is correct
31. Identify the correct sequence of geological periods from the oldest to the youngest
- A) Triassic, Cambrian, Cretaceous, Ordovician
 - B) Ordovician, Cambrian, Cretaceous, Triassic
 - C) Cambrian, Ordovician, Triassic, Cretaceous
 - D) Cretaceous, Cambrian, Triassic, Ordovician
32. The term “Normal” in the Davisian Cycle of erosion refers to
- A) Tropical Humid climate B) Temperate Humid climate
 - C) Tropical Sub humid climate D) Temperate Sub humid climate
33. Vertisol type of soil is rich in
- A) Silica B) Iron C) Potassium D) Clay
34. Identify the correct sequence of States as per their level of urbanization in 2011 in the descending order
- A) West Bengal, Karnataka, Andhra Pradesh, Punjab
 - B) Karnataka, Punjab, Andhra Pradesh, West Bengal
 - C) Karnataka, West Bengal, Punjab, Andhra Pradesh
 - D) Andhra Pradesh, West Bengal, Karnataka, Punjab
35. Consider the following statements regarding Multiple Nuclei theory and identify the correct answer using the codes given below:
1. Harris and Ullman formulated the Multiple Nuclei theory of urban land use
 2. The different areas of land use take the shape of arc like sectors
 3. This model identifies an outlying CBD.
- 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
36. The number of Macro planning regions in India as developed by the Town and Country Planning Organization in 1968 is
- A) 8 B) 11 C) 13 D) 17
37. Planning Commission was dissolved and NITI Aayog came into existence in
- A) 2001 B) 2011 C) 2014 D) 2015
38. The Twelfth Five Year Plan period is between
- A) 2009 and 2014 B) 2010 and 2015
 - C) 2012 and 2017 D) 2014 and 2019

39. Collision of Eurasian and Indian plates leading to Himalayan orogeny took place
 A) 150 million years ago B) 180 million years ago
 C) 70 million years ago D) 5 million years ago
40. Bundelkhand plateau covers parts of
 A) Uttar Pradesh & Haryana
 B) Rajasthan & Madhya Pradesh
 C) Uttar Pradesh & Madhya Pradesh
 D) Odisha & Andhra Pradesh
41. One of the largest southern tributaries of River Ganges is
 A) Gomti B) Son
 C) Ghaghara D) Gandaki
42. Conurbation is a term first used by
 A) Geddes B) Carter
 C) Mumford D) Taylor
43. During the purana times in India continents were known as
 A) Rajyas B) Mandals C) Desas D) Dwipas
44. Who among the following does not support the concept of Determinism?
 A) Ritter B) Semple C) Sauer D) Ratzel
45. Human Geography as a distinct field developed due to the work of
 A) Vidal de la Blache B) Ellen Semple
 C) Huntington D) Humboldt
46. World Population Day is observed on
 A) 7th April B) 8th June
 C) 11th July D) 5th October
47. Average infant mortality rate per 1000 live births for the world as a whole in 2015 was
 A) 48 B) 41 C) 36 D) 29
48. Among the given districts of Kerala, the highest share of rural population is in
 A) Kottayam B) Pathanamthitta
 C) Palakkad D) Kasaragod
49. Which of the following represents radiometric resolution?
 A) 22 days B) 1 metre C) 11 bit data D) Band 7
50. The technology which helps navigation particularly in Indian airports is
 A) GALILEO B) GLANOSS C) GAGAN D) Beidou
51. Which of the following is NOT a high resolution satellite?
 A) GEO EYE B) IKONOS
 C) Cartosat 2 D) LANDSAT 5

52. When the Survey of India map No is 58/M the R.F. of the map is
 A) 1:25000 B) 1:50000
 C) 1:250000 D) 1:500000
53. Identify the map which has the smallest scale
 A) Map of North America B) Map of Canada
 C) Map of Texas D) Map of New York city
54. Identify the correct sequence of States in the descending order for production of fish in India
 A) West Bengal, Kerala, Andhra Pradesh
 B) Andhra Pradesh, Gujarat, West Bengal
 C) Kerala, West Bengal, Tamil Nadu
 D) Andhra Pradesh, West Bengal, Gujarat
55. The two States leading in the production of iron ore in India are
 A) Odisha & Jharkhand B) Odisha & Karnataka
 C) Jharkhand & Bihar D) Madhya Pradesh & Jharkhand
56. Umaria coalfields in India is located in the State of
 A) Jharkhand B) Odisha
 C) Madhya Pradesh D) Bihar
57. Which of the following is identified as the first Biosphere reserve in India?
 A) Gulf of Mannar B) Manas
 C) Sundarban D) Nilgiri
58. Ranthambore National Park is located in
 A) Madhya Pradesh B) Rajasthan
 C) Andaman islands D) Karnataka
59. Which of the following statements regarding ecosystem is **WRONG**?
 A) Natural Balance in ecosystem is also known as ecosystem homeostasis
 B) Agriculture is a simplifier of ecosystem
 C) Decomposers in the ecosystem are also known as autotrophs
 D) Forest fires result in the secondary ecological succession in a region
60. For functional classification of towns standard deviation technique is used by
 A) Nelson B) Smith
 C) Berry D) Harris
61. Identify the **CORRECT** statement regarding the process of precipitation
 A) When air mass is cooled beyond dew point precipitation takes place
 B) Hail is a form of precipitation
 C) During the process of precipitation latent heat is released
 D) Frontal type of rainfall is common in Inter Tropical Convergence Zone

62. Which of the following regions does not come under “Cfa” climatic type?
A) Gulf coast region of USA
B) Southeastern China
C) Rio de la Plata region of Argentina
D) Southwest Australia
63. Romanche Gap occurs in
A) Arctic ocean
B) Atlantic ocean
C) Indian ocean
D) Pacific ocean
64. Identify the **WRONG** statement regarding coral reefs
A) Clean and sediment-free water is required for good growth of polyps
B) Ideal temperature for coral growth is around 26 to 27°C
C) High salinity of water also is a negative factor for coral growth
D) Darwin proposed the Glacial control theory for the origin of coral reefs
65. As per Wegener the separation of continents from Pangaea started during
A) upper Triassic
B) upper Cretaceous
C) lower Carboniferous
D) lower Silurian
66. **Assertion [A] :** Parallel retreat of scarp is the dominant activity in the hill slope development as per L. C. King
Reasoning [R] : Length of scarp becomes smaller and smaller due to retreat
- Codes:**
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
67. **Assertion [A] :** Wet Adiabatic Lapse rate is lower than the Dry Adiabatic Lapse rate
Reasoning [R] : Latent heat is released during condensation
- Codes:**
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
68. **Assertion [A] :** In Demographic Transition the final state represents Declining population
Reasoning [R] : Some countries experience birth rate which is lower than the death rate
- Codes:**
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

69. **Assertion [A] :** Oil prices in the world experience sharp decline at present
Reasoning [R] : Oil production from the Middle East increased sharply at present

Codes:

- 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
70. In the atmosphere Ozone layer occurs in the
A) Mesosphere B) Stratosphere
C) Thermosphere D) Exosphere
71. Line joining places having the same amount of cloudiness in a given period is called
A) Isohel B) Isohaline C) Isohume D) Isoneph
72. Consider the following statements with regard to karst landforms and identify the correct answer using codes given below:
1. Lapias refer to funnel shaped holes created by solution activity
2. The study of underground caverns is called speleology
3. Dolines, Polje and Uvala are some of the landforms in karst region
A) 1 and 2 are correct B) 2 and 3 are correct
C) Only 1 is correct D) Only 3 is correct
73. Identify the **WRONG** statement regarding the horizontal distribution of pressure belts on the earth surface
A) The sub polar low pressure is a continuous belt in the southern hemisphere
B) Aleutian and Icelandic low are the two pressure cells in the sub polar region
C) The sub tropical anticyclone is a continuous belt in the northern hemisphere
D) Large landmass of northern hemisphere plays a dominant role
74. Identify the **WRONG** statement regarding Koppen’s classification of climate
A) Forest climates are given A, C, D symbols
B) Temperature of the coldest month is above 18°C
C) When the average annual rainfall is less than 50 cm it is called BS
D) “As” is a climatic type that has rare occurrence
75. World Wildlife day is observed on
A) 3rd March B) 22nd April
C) 8th June D) 11th December
76. Identify the environmental disaster that is different from the other three
A) Chernobyl B) Three Mile Island
C) Minamata D) Fukushima

77. Burgess applied his concentric zone model first to the city of
 A) London B) Chicago C) New York D) Paris
78. A detailed functional classification of urban centres was first attempted by
 A) Harris B) Nelson C) Arousseau D) Smith
79. The group of States which have the largest mangrove vegetation in India is
 A) Odisha & West Bengal
 B) West Bengal & Gujarat
 C) West Bengal & Maharashtra
 D) Gujarat & Maharashtra
80. Tilaiya, Konar and Maithon dams are part of
 A) Bhakra Nangal Project B) Thungabhadra Project
 C) Kosi Project D) Damodar Valley Project

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

List I
 [Geomorphologists]

List II
 [Related to]

- I. Chorley
 II. Hack
 III. Wood
 IV. L.C.King

1. Pediment
 2. Dynamic Equilibrium concept
 3. Weathering
 4. System approach in Geomorphology
 5. Hill slope

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

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

List I
 [Terms]

List II
 [Related to]

- I. Scarp
 II. Tors
 III. Yardang
 IV. Arroyo

1. Glacial erosion
 2. Dry region
 3. Weathering
 4. Hill slope
 5. Aeolian action

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

83. Match List I with List II and identify the correct answer using the given codes
- | <u>List I</u> | <u>List II</u> |
|----------------|----------------------------|
| [Current name] | [Ocean] |
| I. Benguela | 1. Northern Indian Ocean |
| II. Oyoshio | 2. Northern Atlantic Ocean |
| III. Canaries | 3. Southern Pacific Ocean |
| IV. Humboldt | 4. Northern Pacific Ocean |
| | 5. Southern Atlantic Ocean |
-
- | | I | II | III | IV |
|----|---|----|-----|----|
| A) | 4 | 1 | 2 | 3 |
| B) | 3 | 2 | 1 | 4 |
| C) | 5 | 4 | 2 | 3 |
| D) | 3 | 4 | 5 | 2 |
84. The rural housing scheme Indira Aawas Yojana was launched from
- A) 1985 B) 2004 C) 2006 D) 2011
85. Which of the following statements regarding Janani Suraksha Yojana is WRONG?
- A) Janani Suraksha Yojana is related to mother care
 B) It aims to reduce neo-natal and maternal mortality
 C) It was launched in 2014
 D) This centrally sponsored scheme comes under National Rural Health Mission
86. The highest yield per hectare for sugarcane is from
- A) Uttar Pradesh B) Tamil Nadu
 C) Maharashtra D) Punjab
87. More than 50% of the total coal reserves in India are concentrated in
- A) Odisha & West Bengal B) Jharkhand & Odisha
 C) Jharkhand & Chattishgarh D) West Bengal & Jharkhand
88. Consider the following statements and identify the correct answer using the codes given below:
1. Exceptionalism in Geography was elaborated by Schaefer
 2. Hagerstrand evolved ideas regarding the concept of Diffusion
 3. Chorley introduced the systems approach in Geomorphology
- 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
89. Who among the following does not belong to Greek School of Geography?
- A) Anaximander B) Herodotus C) Eratosthenes D) Ptolemy
90. Share of net sown area to the total land area in Kerala is
- A) 34% B) 46% C) 53 % D) 64%

91. As per census classification, the term small towns refer to those with a population of
 A) 20000 to 50000 B) 50000 to 75000
 C) Less than 20000 D) Less than 10000
92. Which of the following statements is **CORRECT**?
 A) Dickinson outlined the Social Area analysis in urban centres
 B) Sector theory of urban land use was outlined in 1939
 C) Zipf first explained the site and situation approach in urban geography
 D) In the primate pattern urban population is evenly distributed between different classes of urban centres
93. In which of the following areas Dry point settlements are more common?
 A) Western Rajasthan B) Vidharbha region
 C) Western Odisha D) Brahmaputra valley
94. Which of the following pairs of lakes and districts is **WRONG**?
 A) Enamakal – Thrissur
 B) Vellayani -- Thiruvananthapuram
 C) Pookode -- Kasaragod
 D) Ashtamudi -- Kollam
95. *Erdkunde* is a monumental work written by
 A) Hettner B) Ritter C) Richthofen D) Humboldt
96. Slavic cultural region covers most of
 A) Eastern Europe & Northern Asia
 B) Northwestern Europe
 C) Central and South America
 D) Oceania
97. Geriatrics is the study related to
 A) Morbidity B) Elderly population
 C) Net Reproduction rate D) Intra regional migration
98. The leading exporter in the world merchandise trade in 2014 is
 A) China B) USA C) Germany D) Japan
99. The two largest producers of copper in the world are
 A) Chile & USA B) Peru & Colombia
 C) Chile & China D) China & USA
100. The satellite which helps Weather Forecasting is
 A) Resourcesat 2 B) GOES 12
 C) Cartosat 2 D) SPOT 6
101. The appearance of jagged lines in raster display in GIS is known as
 A) Aliasing B) Calibration
 C) Clump D) Convolution

102. The International Map series has a scale of
 A) 1:25000 B) 1:63360
 C) 1:100000 D) 1:1000000
103. Geddes and Ogilive devised a diagrammatic method which is known as
 A) Climatograph B) Thermo isopleth
 C) Hythergraph D) Ergograph
104. The correct number of Survey of India toposheet that is to the west of 48M/11 is
 A) 48/M/10 B) 48/M/7 C) 48/N/11 D) 48/L/11
105. In the Zenithal Gnomonic polar case projection the equator
 A) Is represented as a small circle at the centre
 B) Is represented as a straight line
 C) Is represented as a large circle at the periphery
 D) Cannot be represented
106. Which of the following is an Open source GIS package?
 A) ENVI B) ILWIS C) IDRISI D) MapInfo
107. The Quazi-Zenith Satellite System is a GPS developed by
 A) France B) China
 C) Japan D) South Korea
108. Orbis Terrarum which was one of the earliest maps representing the world was devised by
 A) Greeks B) Babylonians C) Romans D) Indians
109. The contour interval in Survey of India toposheets with a scale of 1:50000 is
 A) 5 metres B) 10 metres
 C) 20 metres D) 100 metres
110. Which of the following language families have the largest number of speaking population?
 A) Sino-Tibetan languages
 B) Indo-European languages
 C) Afro-Asiatic languages
 D) Austronesian languages
111. Heartland theory was outlined by
 A) Carl Ritter B) Nicolas Spyman
 C) John Mackinder D) Alexander von Humboldt
112. Between 2001 and 2011 the district in Kerala which experienced the highest urban growth is
 A) Ernakulam B) Kannur
 C) Malappuram D) Kozhikode

113. The largest producer of gold in the world in 2014 is
 A) South Africa B) Australia
 C) Russia D) China
114. Sugarcane production is the highest among the world countries in
 A) India B) Cuba
 C) Indonesia D) Brazil

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

List I
 [Authors]

List II
 [Terms]

- | | |
|----------------------|-----------------------------------|
| I. Shevky | 1. Site and situation approach |
| II. Christaller | 2. Rank-size rule |
| III. Raoul Blanchard | 3. Urban population Density model |
| IV. Zipf | 4. Social Area analysis |
| | 5. 'k' value |

Codes:

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

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

List I
 [Mineral]

List II
 [Mine]

- | | |
|---------------|-------------|
| I. Coal | 1. Koraput |
| II. Bauxite | 2. Khetri |
| III. Iron ore | 3. Talcher |
| IV. Petroleum | 4. Noamundi |
| | 5. Barmer |

Codes:

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

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

List I

[Location]

- I. Renukoot
- II. Titagarh
- III. Kapurthala
- IV. Manali

List II

[Industry]

- 1. Railway coach
- 2. Paper
- 3. Aluminium
- 4. Steel
- 5. Fertilizer

Codes:

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

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

List I

[Author]

- I. Trewartha
- II. Sparks
- III. Northam
- IV. Robinson

List II

[Book]

- 1. *Urban Geography*
- 2. *Elements of Cartography*
- 3. *An Introduction to Climate*
- 4. *Theoretical Geography*
- 5. *Geomorphology*

Codes:

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

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

List I

[Location]

- I. Magnitogorsk
- II. Osaka
- III. Ulsan
- IV. Seattle

List II

[Industry]

- 1. Cotton textiles
- 2. Ship building
- 3. Petrochemical
- 4. Steel
- 5. Aircraft manufacturing

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

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

List I

[Oilfield]

- I. Ghawar
- II. Kirkuk
- III. Burgan
- IV. Cantarell

List II

[Country]

- 1. Saudi Arabia
- 2. Mexico
- 3. Venezuela
- 4. Iraq
- 5. Kuwait

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