

# A

23110

120 MINUTES

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1. Nazca plate is situated in:  
A) East of South America      B) West of South America  
C) West of North America      D) East of South America
2. The climatic region known as the 'Bread basket of the world':  
A) Steppes      B) Prairies  
C) Mediterranean regions      D) Monsoon regions
3. Glaciated ridge having uniformly steep slope on either sides:  
A) Col      B) Cirque      C) Matterhorn      D) Arete
4. ----- projection is **not** a conventional map projection.  
A) Interrupted sinusoidal      B) Mollweide's  
C) Lambert's equal-area      D) Gall's stereographic
5. The statement that who reigns the Eurasia controls the destiny of the world was made by:  
A) Aristotle      B) Mackinder      C) Strabo      D) Spykman
6. Isodapane refers to connecting -----.  
A) points of intersection  
B) places having same distance from major markets  
C) points of equal transport cost  
D) points have equal market facilities
7. The concept of geosynclines was given by:  
A) Holmes      B) J. Hall  
C) J.A. Steers      D) J.W.Powell
8. Match list I ( Landforms) with list II ( Agents):  
a. Stalagmite      1. Wind  
b. Fjord      2. Running water  
c. Yardang      3. Sea-waves  
d. Cascades      4. Underground water  
  
A) a-4, b-3, c-2, d-1      B) a-4 ,b-3, c-1,d-2  
C) a-2, b-3, c-1, d-4      D) a-3, b-4, c-1, d-2
9. The atmospheric layer that reflects radio waves that are transmitted from the earth:  
A) Stratosphere      B) Troposphere  
C) Mesosphere      D) Ionosphere

10. The sector theory of urban land use was formulated by:  
 A) Ullman      B) Hoyt      C) C. D. Harris      D) Burgess
11. The term 'Umland' refers to:  
 A) Hinterland of a port      B) Residential area of a town  
 C) Influential area of a town      D) Adjoining outgrowths of a town
12. Match list I (Type of climate) with list II (Regions):  
 a. Aw      1. Rain shadow zones of Karnataka  
 b. Amw      2. Thar desert  
 c. BSh      3. West Bengal & Bihar  
 d. BWhw      4. Malabar coast
- A) a-3, b-4, c-2, d-1      B) a-4, b-3, c-1, d-2  
 C) a-2, b-3, c-1, d-4      D) a-3, b-4, c-1, d-2
13. The difference between the mean temperatures in the hottest month and the coldest month is ----- range of temperature.  
 A) Annual      B) Mean annual  
 C) Diurnal      D) Mean monthly
14. Which of the following is a GIS operation?  
 A) Image enhancement      B) Contrast stretching  
 C) Map overlaying      D) Map designing
15. The concept of 'Spread and Backwash' effects' was introduced by:  
 A) A.O. Hirschman      B) G Myrdal  
 C) Gunder Frank      D) A. Losch
16. The metropolitan city which has registered the largest population in 2011 census:  
 A) Mumbai      B) Chennai      C) Kolkata      D) Delhi
17. The term 'sustainable development' was first coined by:  
 A) IPCC      B) UNDP  
 C) Brundtland commission      D) World Bank
18. The principle underlying Von Thunen theory:  
 A) Economic rent      B) Distance decay  
 C) Land use diversification      D) Rural – urban interaction
19. Which among the following is **not** considered as the characteristic feature of the youth stage of normal cycle of erosion?  
 A) River piracy      B) Natural Levees  
 C) Gorges      D) Pot holes

20. The term adiabatic change of temperature refers to:
- A) Heating and cooling of air occurs due to compression during ascending and descending of air
  - B) Temperature drop as the altitude increases
  - C) Heating of the ascending air
  - D) Cooling of the descending air
21. Select the correctly matched pairs:
- |                                  |   |                     |
|----------------------------------|---|---------------------|
| 1. Uniformitarianism             | - | Theory of the Earth |
| 2. Theory of sea-floor spreading | - | Lowthian Green      |
| 3. Dynamic Equilibrium theory    | - | G K Gilbert         |
| 4. Tecno-geomorphic model        | - | Morisawa            |
- A) 1 and 3 only
  - B) 1 and 2 only
  - C) 3 and 4 only
  - D) 1, 3 and 4 only
22. The '3R Concept' is related to:
- A) Resource conservation
  - B) Literacy programme
  - C) Water management
  - D) Land utilization
23. The Trans-continental railway route which connects Europe and Asia:
- A) The Union and Pacific railway
  - B) The Trans Siberian railway
  - C) The Trans-Euro railway
  - D) The Orient Express Rail
24. The Cold dry local winds in polar region:
- A) Sirrocco
  - B) Foehn
  - C) Bora
  - D) Blizzards
25. The map projection most suitable for the representation of Europe is ----- projection.
- A) Sinusoidal
  - B) Mollweid
  - C) International
  - D) Bonne's
26. The geo-processing tool used to create a new polygon around or within selected objects at a specified distance:
- A) Intersect
  - B) Surfer
  - C) Spatial join
  - D) Buffer
27. 'The Geographer' is the journal of:
- A) National Association of Geographers India
  - B) AMU Geographical Society
  - C) The Indian Geographical Society
  - D) The Geographical Society of India

28. 'Terra rossa' mean:
- Soil developed on the limestones
  - Carbonate deposits that occur in springs, waterfalls and lakes
  - The allochthonous rivers developed in karst regions
  - Structurally controlled depressions formed in karst regions
29. Among the following, which is **not** a law of migration put by Ravenstein:
- Big cities grow mainly of migration
  - Most migrants move to short distances
  - The main reason for migration is political instability
  - Migration happens step by step
30. The microwave-imaging satellite launched by ISRO to take images of the earth's surface during day and night:
- |            |                   |
|------------|-------------------|
| A) RISAT   | B) SARAL          |
| C) SCATSAT | D) MeghaTropiques |
31. Match list I (Soil) with list II (State):
- |             |                  |
|-------------|------------------|
| a. Alluvial | 1. Chattisgarh   |
| b. Regur    | 2. Kerala        |
| c. Red      | 3. Uttar Pradesh |
| d. Laterite | 4. Maharashtra   |
- |                       |                       |
|-----------------------|-----------------------|
| A) a-3, b-4, c-2, d-1 | B) a-4, b-3, c-1, d-2 |
| C) a-2, b-3, c-1, d-4 | D) a-3, b-4, c-1, d-2 |
32. The latest remote sensing satellite launched by India for resource appraisal:
- |                 |                   |
|-----------------|-------------------|
| A) EOS-04       | B) RESOURCESAT 2A |
| C) INSPIRESat-1 | D) CARTOSAT 2B    |
33. The term 'isostasy' was first proposed by:
- |           |          |         |           |
|-----------|----------|---------|-----------|
| A) Holmes | B) Pratt | C) Airy | D) Dutton |
|-----------|----------|---------|-----------|
34. Assertion (A): CBD of a city has high concentration of whole sale stores, offices and cultural and recreational activities.  
Reason (R): Prices and demand of real-estate increases as distance towards CBD reduces.
- A and R are true and R is the correct explanation of A
  - A and R are true but R is not the correct explanation of A
  - A is true but R is false
  - A is false but R is true

35. Assertion (A): There are regional disparities in spatial organization of economy.  
Reason (R): Spatial organizations are independent of inherent economic factors.
- 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
36. The unique characteristic of GIS is:  
A) Map making and generalized output  
B) Map designing and lay out  
C) Linking of spatial and non-spatial data  
D) Input of attribute data
37. The ratio between breadth and length of the head is ----- index.  
A) Cephalic      B) Facial      C) Nasal      D) Brachial
38. The correct sequence of the locations where onset of south-west monsoon is from earlier to later:  
1. Kerala      2. Andaman-Nicobar      3. Odisha      4. Goa
- A) 2, 1, 4, 3      B) 2, 4, 3, 1      C) 1, 2, 4, 3      D) 2, 4, 1, 3
39. An independent regional navigation satellite system developed by India:  
A) IRNSS      B) GLONASS      C) GPS      D) QZSS
40. The theory of 'Profit Maximisation' was developed by:  
A) A. Losch      B) A. Weber      C) Myrdal      D) Robinson
41. The part of Indian coasts which shows the evidence of emergence and submergence:  
A) Coromandel coast      B) Malabar coast  
C) Konkan coast      D) Orissa coast
42. The rivers example for antecedent drainage:  
A) Chambal and Banas      B) Son and Betwa  
C) Indus and Brahmaputra      D) Krishna and Cauveri
43. The criteria used by Thornthwaite for climatic classification of the world are:  
1. Thermal efficiency      2. Potential evapotranspiration  
3. Precipitation effectiveness      4. Vegetation
- A) 1, 2 & 4 only      B) 2, 3 & 4 only      C) 1, 3 & 4 only      D) 1, 2 & 3 only

44. The penultimate feature of arid cycle of erosion:  
 A) Panplain      B) Pediplain      C) Etch plain      D) Peneplane
45. The theory of cumulative causation was proposed by:  
 A) Perroux                              B) Friedman  
 C) G Myrdal                              D) Auguste Comte
46. The scholar, who made significant contribution to the development of radical geography:  
 A) Soja                                      B) Richthofen  
 C) David Harvey                      D) Michael Foucault
47. Assertion (A): Developing countries are at the focus of urbanization.  
 Reason (R): The urban shift has happened during the last many years largely due to rapid growth of mega cities in the developing countries.
- 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
48. Assertion (A): Behavioural geography is now becoming closer to a constructivist epistemology, as suggested by neo-Kantian philosophers and psychologists.  
 Reason (R) : The geographers like Kirk, White, Kates and Gold have made significant contributions for behavioural movement in geography.
- 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
49. A dry and dusty north-easterly trade wind which blows from the Sahara Desert over the West African subcontinent into the Gulf of Guinea in winter is:  
 A) Harmattan      B) Bora                      C) Loo                      D) Chinook
50. Hydrograph is used for the measurement of:  
 A) Relative humidity                      B) Intensity of waves  
 C) Wave velocity                              D) Rainfall measurement
51. The correct sequence of area from smaller to larger with reference to oceans:  
 A) Pacific – Atlantic –Arctic – Indian  
 B) Indian – Pacific – Atlantic – Arctic  
 C) Arctic – Indian – Atlantic – Pacific  
 D) Arctic – Indian – Pacific – Atlantic

52. The largest producer of tin in the world:  
 A) India                      B) Malaysia                      C) China                      D) Brazil
53. Lakshadweep islands are of ----- origin.  
 A) Alluvial                      B) Tectonic                      C) Volcanic                      D) Coral
54. The principle of Unity in Diversity was propagated by:  
 A) Jafferson                      B) Carl Ritter  
 C) Immanuel Kant                      D) Alexander von Humboldt
55. "Man is a product of the earth' surface. This means not merely that he is a child of the earth, dust of her dust: but that the earth has mothered him, fed him. Set him tasks, -----whispered hints for their solution". Who made this statement?  
 A) E C Semple                      B) Griffith Taylor  
 C) Vidal de La Blache                      D) Friedrich Ratzel
56. A city is a---- region.  
 A) Homogenous                      B) Natural  
 C) Functional                      D) Nodal
57. Which of the following rivers are west flowing river/s?  
 1. Kabani                      2. Bhavani                      3. Pampar                      4. Shiriya  
 A) 2 only                      B) 4 only                      C) 2, 3 & 4 only                      D) 1, 2, 3 & 4
58. The asymmetrical basin falls between the PirPanjal and the western end of the Great Himalayan range:  
 A) Vale of Kashmir                      B) Chenab valley  
 C) Chinta valley                      D) Nubra valley
59. Which one among the following is **not** a fishing area in temperate region?  
 A) NW Pacific                      B) NE Atlantic  
 C) NE Pacific                      D) Sunda shelf
60. The rain-fed and the rain-shadow areas are the characteristics of ----- rainfall.  
 A) Conventional                      B) Orographic                      C) Cyclonic                      D) Torrential
61. San Andreas fault in California is an example for ---- fault.  
 A) Transcurrent                      B) Reverse                      C) Transform                      D) Normal
62. Identify the group of landforms produced by deposition:  
 A) Playas, pot-holes, river terraces  
 B) Deltas, braided channels, sea-cliffs  
 C) Estuaries, barchans, sief  
 D) Lapies, pediment plains, fjords

63. Assertion (A): W.Penck has a contrary view to the Davisian concept that landscape is a function of structure, process and time.  
Reason (R) : Penck put forward his view that geomorphic forms are an expression of the phase and rate of uplift in relation to the rate of degradation.
- 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
64. Match list I (Book) with list II (Author):
- |                                |                   |
|--------------------------------|-------------------|
| a. Exceptionalism in Geography | 1. Dickinson R. E |
| b. Anthropogeographie          | 2. Hartshorne     |
| c. Makers of Modern Geography  | 3. Ratzel         |
| d. Nature of Geography         | 4. Schaefer       |
- A) a-4, b-3, c-1, d-2                      B) a-2, b-4, c-3, d-1  
C) a-2, b-4, c-1, d-3                      D) a-4, b-3, c-2, d-1
65. A feature formed by tectonic forces:
- A) Blind valley                                      B) Hanging valley  
C) Rift valley                                        D) Gorges
66. The concept of paradigm was propounded by:
- A) Richard Peet                                      B) Thomas Kunh  
C) Peter Haggett                                     D) Immanuel Kant
67. The phenomenon causing drought during summer in Mediterranean regions:
- A) Shifting of trade winds towards pole during summers  
B) Shifting of trade winds equator-wards during summer  
C) Blowing of westerly winds from the continents in summers  
D) El Nino and Southern oscillation
68. Identify the language in India which belong to the Sino-Tibetan family :
- A) Santhali                      B) Sanskrit                      C) Khasi                      D) Manipuri
69. Match list I (Tribes in India) with list II (States):
- |             |                      |
|-------------|----------------------|
| a. Jarawas  | 1. Assam             |
| b. Bhils    | 2. Andaman & Nicobar |
| c. Santhals | 3. Rajasthan         |
| d. Mikirs   | 4. Jharkhand         |
- A) a-4, b-3, c-2, d-1                                      B) a-2, b-1, c-4, d-3  
C) a-4, b-3, c-1, d-2                                      D) a-2, b-1, c-3, d-4



70. The correct sequence of the passes from east to west:  
 A) Nathu La, LipuLekh, Shipki La, Zoji La  
 B) Zoji La, Shipki La, LipuLekh, Nathu La  
 C) Zoji La, Shipki La, Nathu La, LipuLekh  
 D) Shipki La, Zoji La, Nathu La, LipuLekh
71. Match List I – Books with List II – Authors:  
 a. Spirit and purpose of Geography 1. Geoffrey J. Martin  
 b. All possible worlds 2. Philip Lake  
 c. Models in Geography 3. Woolridge  
 d. Physical Geography 4. R. J.Chorley and P.Hagget
- A) a-3, b-1, c-2, d-4                      B) a-4, b-3, c-2, d-1  
 C) a-4, b-3, c-1, d-2                      D) a-3, b-1, c-4, d-2
72. Host country for UNFCCC conference of 2022:  
 A) Germany      B) UAE              C) Italy              D) Egypt
73. The Simpson-Saffir scale is used to measure the potential intensity of:  
 A) Cloud burst                              B) Ocean currents  
 C) Tropical cyclones                      D) Air pollution
74. Arrange the following states from low to high based on their urban population as per census 2011:  
 1. Kerala      2. Tamil Nadu      3. Goa      4. Mizoram
- A) 3, 2, 1, 4      B) 1, 2, 4, 3      C) 4, 3, 1, 2      D) 2, 1, 3, 4
75. Choose the characteristics of abyssal plains from the following:  
 1. Covering about two-thirds of the entire ocean floor.  
 2. Complete absence of the sediments brought by rivers.  
 3. Pelagic deposits are widely seen.  
 4. Densely occupied by coral polyps
- A) 1, 3 and 4 only                      B) 2 and 3 only  
 C) 1 and 3 only                      D) 1 and 2 only
76. The largest oil producing area in Ukraine:  
 A) Dnipro-Donetsk basin              B) Dolynske oil field  
 C) Carpathian region              D) Black sea of Azov
77. The lettering style which dominated map making through the 15<sup>th</sup> century:  
 A) Mechanical                      B) Stick-up  
 C) Freehand                      D) Photo-type setters

78. Model in which India's first five year plan was based on:  
 A) Harrod-Domar Model                      B) Mahalanobis Model  
 C) Gadgil Model                                  D) AR Menon Model
79. The type of soil found in Onattukara agro-climatic zone in Kerala :  
 A) Sandy loam                                      B) Alkaline soil  
 C) Saline soil                                        D) Peaty soil
80. Among the following scholars, who has **not** attempted the classification of urban centres based on its functions:  
 A) Nelson                      B) Harris                      C) Arousseau                      D) Taylor
81. The natural harbor in India which handles the export of tea, coffee and spices and import of petroleum, fertilizers etc.:  
 A) Vishakhapatnam                      B) Kochi  
 C) Kolkata                                        D) Tuticorin
82. Which of the following is the correct sequence of concentric zones in a city from the center to the outer limit as suggested by Burgess?  
 A) Residual zone, CBD, Zone of transition, Commuters zone, Zone of workers home,  
 B) CBD, Zone of transition, Residential zone, Zone of workers home, Commuters zone  
 C) CBD, Zone of transition, Zone of workers home, Residential zone, Commuters zone  
 D) Residential zone, Zone of transition, CBD, Zone of workers home, Commuters zone.
83. Who among the following has been credited with the initiation of the demographic transition theory?  
 A) Malthus    B) E S Lee  
 C) Donald Bouge                                      D) W.S Thompson
84. The term that denotes the organisms getting their food from other organisms:  
 A) Synthesisers                                      B) Producers  
 C) Autotrophs                                        D) Hetrotrophs
85. The base of the age-sex pyramid is broad and apex is narrow in ----- countries.  
 A) Developing                                        B) Developed  
 C) Under-developed                                D) Island
86. Who delineated natural regions at global scale based on the combination of physical determinants of plants and animal life?  
 A) Herbertson                      B) Whittlesey                      C) Unstead                      D) Dickinson

87. ----- of a phenomenon can be found out using Lorenz curve.  
 A) Probability of dispersion      B) Both absolute and relative concentration  
 C) Absolute concentration      D) Relative concentration
88. The principle which explains about the large number of small towns, a smaller number of medium sized towns and relatively few large cities in a larger region:  
 A) Rank-size rule      B) Central place theory  
 C) Social area analysis      D) Census classification of towns
89. A river which is **not** flowing through Himachal Pradesh:  
 A) Chenab      B) Ravi      C) Beas      D) Jhelum
90. A state in India where there is **No** notified schedule tribe of population:  
 A) Tamil Nadu      B) Punjab      C) Orissa      D) Rajasthan
91. 'Spalling' is a term associated with:  
 A) Sea-floor spreading      B) Faulting  
 C) Glacial action      D) Weathering
92. The state in India which has the most suitable climatic conditions for the cultivation of coffee:  
 A) Maharashtra      B) Karnataka  
 C) Kerala      D) Arunachal Pradesh
93. In Christaller's central place theory,  $K=7$  stands for:  
 A) Transport principle      B) Administrative principle  
 C) Market principle      D) Threshold
94. "Climate is extreme, rainfall is scanty and the people used to be nomadic herders." The above statement best describes which of the following regions?  
 A) African savannah      B) North American prairie  
 C) Siberian Tundra      D) Central Asian Steppe
95. What is the RF of the SOI topographic map bearing the number 53 D?  
 A) 1:50,000      B) 1:63,360      C) 1:250,000      D) 1:25,000
96. The Kyoto protocol was signed in:  
 A) 1985      B) 1997      C) 1990      D) 2001
97. Which of the following statement is **not** correct?  
 A) The Drought Prone Area Development Programme was started in 1973-74  
 B) The Command Area Development Programme was started in 1974-75  
 C) Green Revolution started in India in 1971  
 D) The growth rate of agricultural production was negative in the third five year plan.

98. The city known as the garden city in India:  
 A) Gandhinagar B) Jaipur C) New Delhi D) Bangaluru
99. The concept of 'least-transport-cost location' was developed by:  
 A) W.Isard B) A.Weber C) D.M Smith D) Boudeville
100. The geological period at which the sea attained its present level:  
 A) Cambrian B) Jurassic C) Miocene D) Holocene
101. The frontal zone extending from the Rocky Mountains to the Great Lakes region:  
 A) Atlantic polar front B) Atlantic – Arctic front  
 C) Pacific – Arctic front D) Mediterranean front
102. The correct sequence of stages of urban development as envisioned by L Munford:  
 A) Metropolis, Megalopolis, Polis, Ecopolis  
 B) Ecopolis, Polis, Metropolis, Megalopolis  
 C) Polis, Ecopolis, Metropolis, Megalopolis  
 D) Megalopolis, Metropolis, Polis, Ecopolis
103. The Progressive Wave theory of tides was advanced by :  
 A) William Whewell B) R.A. Harris  
 C) Darwin D) Sir Issac Newton
104. The maximum drainage area of the River Brahmaputra is found in the state of :  
 A) Assam B) West Bengal  
 C) Arunachal Pradesh D) Meghalaya
105. What is the scale of a map when it is enlarged by two times on the scale of 1: 50000?  
 A) 1 : 200,000 B) 1 : 25,000 C) 1 : 12,500 D) 1: 100,000
106. Identify the ODD one from among the following:  
 A) Benguela current B) Brazil current  
 C) Japan current D) Kuroshio current
107. The author of 'Maps and Diagrams':  
 A) F.J. Monkhouse B) MajidHussain  
 C) R. L. Singh D) Bunnet R.B
108. The transition zone between earth's crust and mantle is:  
 A) Conrad discontinuity B) Asthenosphere  
 C) Gutenberg discontinuity D) Mohorovicic discontinuity
109. The philosophical view that man is responsible for making his own nature:  
 A) Existentialism B) Possibilism  
 C) Humanism D) Anthropomorphism

110. Which of the following are **not** the major objectives of Hill Area Development Programme?
- |                     |                              |
|---------------------|------------------------------|
| 1. Agro-forestry    | 2. Large scale industries    |
| 3. Eco-preservation | 4. Major irrigation projects |
- A) 1 & 4 only    B) 3 & 4 only    C) 2 & 4 only    D) 2 & 3 only
111. The state in India which shares boundary with maximum number of other states:
- |                      |              |
|----------------------|--------------|
| A) Arunachal Pradesh | B) Jharkhand |
| C) Uttar Pradesh     | D) Sikkim    |
112. The state in India which recorded the lowest sex ratio as per Census 2011:
- |            |           |                  |               |
|------------|-----------|------------------|---------------|
| A) Haryana | B) Sikkim | C) Uttar Pradesh | D) Tamil Nadu |
|------------|-----------|------------------|---------------|
113. The agricultural geographic approaches which is suitable to analyse crop diversification:
- |              |             |               |                |
|--------------|-------------|---------------|----------------|
| A) Commodity | B) Regional | C) Systematic | D) Behavioural |
|--------------|-------------|---------------|----------------|
114. The process of population de-concentration away from large urban settlements to non- metropolitan areas is:
- |                    |                         |
|--------------------|-------------------------|
| A) Urban sprawl    | B) Counter urbanization |
| C) Urban dispersal | D) Sub-urbanization     |
115. Among the following, which is a qualitative, non-numerical and non-ranking scale that classifies features on intrinsic characteristics?
- |                   |                  |
|-------------------|------------------|
| A) Ratio scale    | B) Ordinal scale |
| C) Interval scale | D) Nominal scale |
- 116.. In India, the organization which has mandate for satellite data collection:
- |        |         |         |         |
|--------|---------|---------|---------|
| A) SAC | B) ISRO | C) RRSC | D) NRSC |
|--------|---------|---------|---------|
117. A camera with a 152 mm focal length takes an aerial photograph from a flying height of 1824 m above ground level. What is the scale of the photograph?
- |             |              |             |              |
|-------------|--------------|-------------|--------------|
| A) 1:15,000 | B) 1: 60,000 | C) 1:12,000 | D) 1:120,000 |
|-------------|--------------|-------------|--------------|
118. The national highway that connects Srinagar and Kanyakumari :
- |          |          |          |          |
|----------|----------|----------|----------|
| A) NH 44 | B) NH 66 | C) NH 1A | D) NH 47 |
|----------|----------|----------|----------|
119. The biogeographic realm which includes most of North America:
- |               |             |            |                |
|---------------|-------------|------------|----------------|
| A) Palaeartic | B) Nearctic | C) Oceanic | D) Neotropical |
|---------------|-------------|------------|----------------|
120. ----- survey provides accurate information about the volume of rocks in a rock exposure.
- |               |          |                  |         |
|---------------|----------|------------------|---------|
| A) Theodolite | B) Drone | C) Total station | D) DGPS |
|---------------|----------|------------------|---------|

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