

1. Consider the following cities

1. Agra
2. Indore
3. Nashik
4. Vadodara

Which of the above are million-plus cities as per Census 2001?

- (a) 1 and 4 only
(b) 1, 2 and 3 only
(c) 2, 3 and 4 only

(d) 1, 2, 3 and 4

2. Consider the following statements

1. The sex ratio in India as per Census 2001 is lower as compared to that of Census 1951.
2. From 1991 to 2001, the sex ratio in India has increased.

Which of the statements given above is/are correct?

- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2

3. Consider the following Pairs?

1. Centre for Environmental Management of Degraded Ecosystems : New Delhi
2. Centre for Social Forestry and Eco-Rehabilitation : Allahabad
3. National Coral Reef Research Centre : Thiruvananthapuram

Which of the above pairs is/are correctly matched?

- (a) 1 only
(b) 1 and 2 only
(c) 2 and 3 only
(d) 1, 2 and 3

4. Match List I with List II and select the correct answer using the code given below the lists.

List I (Polluted Area)	List II (Type of Industry)
A. Greater Kochi	1. Cotton textiles and dyeing
B. Nagda – Ratlam	2. Processing and electroplating
C. Pali	3. Oil refineries, chemical and

- D. Parwanoo
4. metallurgical industries
Viscose rayon, caustic, dyes and distillery

Code :

- | | A | B | C | D |
|------------|----------|----------|----------|----------|
| (a) | 4 | 3 | 2 | 1 |
| (b) | 3 | 4 | 2 | 1 |
| (c) | 4 | 3 | 1 | 2 |
| (d) | 3 | 4 | 1 | 2 |

5. Match List I with List II and select the correct answer using the code given below the lists.

- | List I
(Country) | List II
(Tribe) |
|---------------------|--------------------|
| A. Canada | 1. Ongo |
| B. India | 2. Chukchi |
| C. Russia | 3. Haida |
| D. Zairo | 4. Lese |

Code :

- | | A | B | C | D |
|------------|----------|----------|----------|----------|
| (a) | 2 | 4 | 3 | 1 |
| (b) | 3 | 1 | 4 | 2 |
| (c) | 2 | 3 | 4 | 1 |
| (d) | 3 | 1 | 2 | 4 |

6. The draught animal 'Llamas' are found in
(a) Tibet

- (b) Arctic
(c) Alps
(d) Andes

7. Which one of the following regions is the World's best cod-fishing ground?

- (a) North – east Atlantic**
(b) South – east Pacific
(c) West Central Pacific
(d) Indian Ocean

8. The Dogger Bank, the main fishing area of Europe, lies in

- (a) Baltic Sea
(b) English Channel
(c) North Sea
(d) Norwegian Sea

9. Match List I with List II and select the correct answer using the code given below the lists.

- | List I
(Country) | List II
(Names of shifting cultivation the country is associated with)) |
|---------------------|--|
| A. Phillippines | 1. Chena |
| B. Thailand | 2. Caingin |
| C. Sri Lanka | 3. Milpa |
| | 4. Tamrai |

Code :

A B C

(a) 3 4 1

(b) 3 1 4

(c) 2 4 1

(d) 2 1 4

10. Factory farming is the characteristic of

(a) North-Western North America

(b) North – Western Europe

(c) Eastern Europe

(d) South east Asia

11. In which one of the following countries is the iron mining centre called Scunthorpe located?

(a) France

(b) Germany

(c) Sweden

(d) United Kingdom

12. Which of the three countries were members of European Free Trade Association (EFTA) when it was founded in 1960?

(a) Italy, Belgium, Poland

(b) Hunga-y, Finland, Spain

(c) Austria, Denmark, Norway

(d) The Netherlands, France, Romania

13. The coal basin region called Donbas lies to the

(a) North of Black Sea and the Sea of Azov.

(b) North of Caspian Sea

(c) East of Gulf of Finland

(d) South White Sea and south-west of Kanin Peninsula

14. Kampung is a form of rural settlement found in

(a) China

(b) Malaysia

(c) Philippines

(d) Cambodia

15. Match List I with List II and select the correct answer using the code given below the lists.

List I (Patterns of rural settlements)	List II (Locations associated with)
A. Arrow	1. Delta
B. Checkerboard	2. Lake
C. Circular	3. Mountain Slope
D. Fan	4. Road crossing at right angle
	5. Road meeting a river bend

Code :

- | | | | | |
|------------|----------|----------|----------|----------|
| | A | B | C | D |
| (a) | 5 | 4 | 2 | 1 |
| (b) | 3 | 4 | 2 | 1 |
| (c) | 5 | 2 | 4 | 3 |
| (d) | 3 | 2 | 4 | 1 |

16. In vertical distribution of ocean deposits, what is the correct sequence (from oceanic surface towards bottom) of the following deposits?

- (1) Calcareous oozes
- (2) Siliceous oozes
- (3) Terrigenous deposites
- (4) Red clay

Select the correct answer using the code given below

- (a) 1, 2, 3, 4
- (b) 3, 1, 2, 4**
- (c) 3, 2, 1, 4
- (d) 4, 3, 2, 1

17. Match List I with List II and select the correct answer using the code given below the Lists:

List I (Genetic Phases)	List II (Resultant Tides)
A. The Sun and the Moon are at right angles with the Earth	1. Spring tide

B. The Sun, the Moon and the Earth are in a straight Line

C. The Moon is nearest to the Earth

D. The Moon is the farthest from the earth

2. Neap tide

3. Apogean tide

4. Perigean tide

- | | | | | |
|------------|----------|----------|----------|----------|
| | A | B | C | D |
| (a) | 2 | 1 | 4 | 3 |
| (b) | 2 | 4 | 1 | 3 |
| (c) | 3 | 4 | 1 | 2 |
| (d) | 3 | 1 | 4 | 2 |

18. Considered the following pairs :

Area	Well-known for
1. Kinta Valley	: Tin fields
2. Sudbury region	: Nickel production
3. Chihuahua	: Silver production

Which of the pairs given above is/are

Correctly matched?

- (a) 1 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3**

19. Match List I with List II and select the

Correct answer using the code given below the lists :

List I (Oil-field)	List II (Country)
-----------------------	----------------------

- | | |
|--------------|-----------------|
| A. Bahregan | 1. Iraq |
| B. Dhahran | 2. Iran |
| C. Kirkuk | 3. Indonesia |
| D. Palembang | 4. Saudi Arabia |

A B C D

(a) **2 4 1 3**

(b) 2 1 4 3

(c) 3 4 1 2

(d) 3 1 4 2

20. With reference to the availability of minerals in India, consider the following statements.

- (1) The highest concentration of manganese is found in the Dharwar system of rocks.
- (2) The chromite mainly occurs in ultra-basic igneous rocks.

Which of the statements given above is/are correct?

- (a) **1 only**
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

21. With reference to the occurrence of minerals in India, consider the following statements.

- (1) Silver is a mineral of primary origin occurring in acid igneous rocks.

(2) Bauxite is a secondary mineral mainly associated with lateritic rocks formed during tertiary period.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) **2 only**
- (c) Both 1 and 2
- (d) Neither 1 nor 2

22. Among the following states, in which one is the percentage of forest area to total geographical area the highest?

- (1) **Arunachal Pradesh**
- (2) Himachal Pradesh
- (3) Sikkim
- (4) Uttarakhand

23. Consider the following Pairs?

Tree	Location of its natural habitat
1. Rosewood	: Slopes of Western Ghats of Karnataka
2. Spruce	: Western Himalayas at elevations from 2100 m to 3600 m
3. Walnut	: Lower elevation of Eastern Himalayas

Which of the above pairs is/are correctly matched?

(a) 1 only

(b) 1 and 2 only

(c) 2 and 3 only

(d) 1, 2 and 3

24. Consider the following statements

(1) The Buckingham Canal runs through the coast from Guntur district to South Arcot district

(2) For Indira Gandhi Canal, additional waters of Beas and Yamuna are diverted and the canal terminates in Barner district.

Which of the statements given above is/are correct?

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

25. Consider the following statements?

(1) The genre de vie of Vidal de la Blache refers to the inherited traits that members of a human group learn, what we may call culture.

(2) The genre e vie is a basic factor in determining which are the various possibilities offered by nature a particular human group will select.

Which of the statements give above is/are correct?

(a) 1 only

(b) 2 only

(c) Both 1 nor 2

(d) Neither 1 nor 2

26. Consider the following statements

(1) The Kangra Valley is a strike valley extending from the foot of the Dhaula Dhar Range to the South of the Beas River.

(2) The Kulu Valley is a transverse valley in the upper course of Ravi.

Which of the statements give above is/are correct?

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

27. Match List I with List II and select the correct answer using the code given below the lists.

List I (Wetland)	List II (State)
A. Barilla	1. Bihar
B. Dihaila	2. Gujarat
C. Pariyej	3. Himachal Pradesh
D. Pong	4. Madhya Pradesh

Code :

- | | | | | |
|-----|----------|----------|----------|----------|
| | A | B | C | D |
| (a) | 1 | 4 | 2 | 3 |
| (b) | 1 | 2 | 4 | 3 |
| (c) | 3 | 4 | 2 | 1 |
| (d) | 3 | 2 | 4 | 1 |

28. Consider the following rivers

- (1) Banas
- (2) Ghaggar
- (3) Machhu
- (4) Pupen

Which of the above neither flow into the sea nor merge with any major river that flows into the sea, but are lost in the desert?

- (a) 1 and 2 only
- (b) 2, 3 and 4 only**
- (c) 1, 3 and 4 only
- (d) 1, 2, 3 and 4

29. Match List I with List II and select the correct answer using the code given below the lists.

List I	List II
(Mangrove Area)	(State)
A. Coringa	1. Andhra Pradesh
B. Coondapur	2. Karnataka
C. Ramnad	3. Maharashtra
D. Vikhroli	4. Tamil Nadu

Code :

- | | | | | |
|------------|----------|----------|----------|----------|
| | A | B | C | D |
| (a) | 1 | 2 | 3 | 4 |
| (b) | 1 | 2 | 4 | 3 |
| (c) | 2 | 1 | 3 | 4 |
| (d) | 2 | 1 | 4 | 3 |

30. In which of the following places are deposits of Wolfram found?

- (a) Chandigri and Amarkantak
- (b) Chendipathar and Degana**
- (c) Bellary and Radhanagar
- (d) Guntur and Hazaribagh

31. Consider the following statements:

1. The Cochin Shipyard was constructed with the Japanese assistance.
2. The Integral Coach Factory was set up with German collaboration.

Which of the statements given above is/are correct?

- (a) **1 only**
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

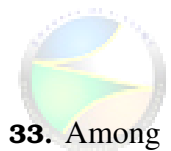
32. Match List I with II and select the correct answer using the code given below the lists:

List I	List II
(National Highway)	(Route)

- | | |
|----------|----------------|
| A. NH 9 | 1. Pune – |
| | Machilipatnam |
| B. NH 12 | 2. Pathankot – |
| | Ssamakhiali |
| C. NH 15 | 3. Panvel- |
| | Edapally |
| D. NH 17 | 4. Jabalpur - |
| | Jaipur |

Code :

- | | | | | |
|------------|----------|----------|----------|----------|
| | A | B | C | D |
| (a) | 1 | 2 | 4 | 3 |
| (b) | 1 | 4 | 2 | 3 |
| (c) | 2 | 1 | 3 | 4 |
| (d) | 2 | 1 | 4 | 3 |



33. Among the following, the narrowest portion of English Channel lies between

(a) Dover and Calais

- (b) Portsmouth and Le Havre
 (c) Hull and Rotterdam
 (d) Plymouth and Brest

34. Alps Mountains are spread over

(a) France, Switzerland, Italy, Romania

(b) France, Switzerland, Italy, Austria

- (c) France, Switzerland, Italy, Spain
 (d) France, Switzerland, Italy, Belgium

35. The high altitude tropical forest which has Dwarfed trees is known as

- (a) Apine forest
 (b) Elfin forest
(c) Montane forest
 (d) Sclerophyll forest

36. Consider the following pairs :

- | | | |
|-------------|---|--------------|
| 1. Coal | : | Donbas |
| 2. Iron ore | : | Magnitogorsk |
| 3. Mica | : | Mama |

Which of the pairs given above is/are Correctly matched?

- (a) 1 only
 (b) 1 and 2 only
 (c) 2 and 3 only
(d) 1, 2 and 3

37. Match List I with II and select the correct answer using the code given below the lists:

List I	List II
(Island)	(City)
A. Hokkaido	1. Takamatsu
B. Honshu	2. Nagasaki
C. Shikoku	3. Yokohama
D. Kyushu	4. Hakodate

Code :

- | | | | | |
|-----|---|---|---|---|
| | A | B | C | D |
| (a) | 2 | 1 | 3 | 4 |
| (b) | 2 | 3 | 1 | 4 |

(c) 4 1 3 2

(d) 4 3 1 2

38. Consider the following Pairs?

1. Kumamoto : Ship-building
2. Fukuoka : Chemicals
3. Hamamatsu : Musical instruments

Which of the above pairs is/are correctly matched?

- (a) 1 only
- (b) 1 and 2 only
- (c) 2 and 3 only**
- (d) 1, 2 and 3

39. The Hanshin region of Japan is an industrial conurbation formed by which one of the following groups of three cities?

- (a) Tokyo, Kawasaki, Yokohama
- (b) Yawata, Kokura, Mauji
- (c) Osaka, Koba, Kyoto**
- (d) Osaka, Tokyo, Kyoto

40. Summer rains in Australia broadly decrease from

- (a) East to West
- (b) West to East
- (c) North to South**
- (d) South to north

41. Among the following, which one has the largest number of neighbouring countries sharing the land border?

- (a) Sudan
- (b) Brazil
- (c) China**
- (d) Zaire

42. Which one of the following rivers demarcates the partial boundary between South Africa and Dotswana?

- (a) Limpopo**
- (b) Zambezi
- (c) Cubango
- (d) Kwando

43. Vaal is a major tributary of which one of the following rivers?

- (a) Limpopo
- (b) Nile
- (c) Orange**
- (d) Zambezi

44. The large coffee plantation in Brazil is called

- (a) Estate
- (b) Farm
- (c) Fazendas**
- (d) Kolkhozes

45. Aranka and Pegu Yomas are located in

(a) Myanmar

- (b) Nepal
- (c) Bhutan
- (d) China

46. On the banks of which river is the city of Kathmandu located?

- (a) Arun
- (b) Saptakosi

(c) Bagmati

- (d) Sunkosi

47. Of the following, who enunciated that “all history should be studied geographically and all geography historically?”

(a) Herodotus

- (b) Strabo
- (c) Hecataeus
- (d) Posidonius

48. Consider the following statements

- (1) Ptolemy presumed that the prime meridian passes through Bermuda Island.
- (2) Ptolemy believed that Ceylon marks the southern limit of the world.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

49. Caledonian orogenic movements are related to the geological history of

- (a) Late Jurassic and early Cretaceous period
- (b) Late Silurian and early Devonian period

- (c) Middle Triassic period
- (d) Late Devonian and early Carboniferous Period.

50. Match List I with List II and select the correct answer using the code given below the lists.

List I (Discontinuities)		List II (Layers of Earth's interior associated with discontinuity)
A. Weichert – Gutenberg discontinuity	1	Outer core and inner core
B. Mohorovicic (Moho) discontinuity	2	Lower mantle and outer core
C. Lehman discontinuity	3	Upper mantle and lower mantle
D. Conrad discontinuity	4	Lower crust and upper mantle
	5	Division of Sial

. and Sima within
the crust

Code :

- | | A | B | C | D |
|------------|----------|----------|----------|----------|
| (a) | 5 | 1 | 3 | 2 |
| (b) | 2 | 1 | 3 | 5 |
| (c) | 2 | 4 | 1 | 5 |
| (d) | 5 | 4 | 1 | 2 |

51. Consider the following minerals

- (1) Corundum
- (2) Quartz
- (3) Topas

What is the correct sequence of the above in terms of descending order of their hardness?

- (a) 1 – 2 – 3
- (b) 2 – 3 – 1
- (c) 1 – 3 – 2**
- (d) 3 – 1 – 2

52. A lens-shaped igneous intrusion situated beneath an anticlinal fold or in the base of a syncline is called

- (a) Lapolith
- (b) Lacolith
- (c) Phacolith**
- (d) Batholith

53. Open folds are those in which the angle between the two limbs of the fold is

- (a) more than 90° but less than 180°**

- (b) more than 75° but less than 150°
- (c) more than 45° but less than 90°
- (d) more than 120° but less than 210°

54. Consider the following statements

- (1) Kaolinite is the weathered silicate clay.
- (2) Kaolinization process occurs due to hydrothermal alteration of feldspar

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2**
- (d) Neither 1 nor 2

55. Consider the following statements

- (1) Pyramidal peak is a gentle – sided mountain summit
- (2) Tarn is formed often in the cirques
- (3) The long axis of drumlins are parallel to the direction of glacial movements

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only**
- (c) 1 and 3 only
- (d) 1, 2 and 3

56. A landform developed by the process of deposition occurring towards the centre of

intermontane basins in arid or semi-arid regions is known as

- (a) Pediment
- (b) Bajada**
- (c) Playa
- (d) Peneplain

57. Eskers are of glacio-fluvial origin. Which one of the following statements characterize them?

- (a) They are long, narrow and sinuous ridges of sands**
- (b) They are small, irregular mounds of bedded sands.
- (c) They are small alluvial cones
- (d) They are flat-topped terraces

58. Consider the following statements regarding the distribution and pattern of isotherms.

- (1) In the northern hemisphere, isotherms bend sharply equator – ward over the continents during winter.
- (2) Temperature gradients are greater in summer than in winter in the northern hemisphere

Which of the statements given above is/are correct?

- (a) **1 only**
- (b) 2 only
- (c) Both 1 and 2

(d) Neither 1 nor 2

59. Match List I with List II and select the correct answer using the code given below the lists.

List I (Local Wind)	List II (Country / Region)
A. Harmattan	1. Argentina
B. Haboob	2. Adriatic coast
C. Bora	3. West Africa
D. Zonda	4. Sudan

Code :

- | | A | B | C | D |
|------------|----------|----------|----------|----------|
| (a) | 1 | 2 | 4 | 3 |
| (b) | 1 | 4 | 2 | 3 |
| (c) | 3 | 4 | 2 | 1 |
| (d) | 3 | 2 | 4 | 1 |

60. With reference to convectional type of rainfall, consider the following statements

- (1) It is a warm weather phenomenon
- (2) This rainfall is associated with cumulo-nimbus clouds.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2**
- (d) Neither 1 nor 2

61. With reference to the sub-tropical high pressure belt, consider the following statements

- (1) It is affected by Earth's rotation and descent of winds from higher altitudes
- (2) It is dynamically induced and characterized with anti-cyclonic conditions.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) **Both 1 and 2**
- (d) Neither 1 nor 2



62. In Koppen's classification of world climate, Aw climates refer to

- (a) Humid tropical wet monsoon climate with a short dry season
- (b) **Tropical wet and monsoon with dry season in winter.**
- (c) Tropical desert climate
- (d) Humid meso-thermal climates

63. With reference to equatorial climate consider the following statements

- (1) Thermally induced low pressure belt develops around the equator but the pressure gradient is very low.

(2) Temporal variability in the amount of rainfall is not found

Which of the statements given above is/are correct?

- (a) **1 only**
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

64. Who introduced the term anticyclone for the first time?

- (a) Fitzroy
- (b) J.Bjerknes
- (c) **F.Galton**
- (d) V.Bjerknes

65. For obtaining greater accuracy in the fraction of a division in both linear and angular measurements, which scale is used?

- (a) Linear Scale
- (b) **Vernier Scale**
- (c) Plane Scale
- (d) Graphic Scale

66. Which one of the following RF represents the 1 cm map distance to 5 km of ground distance?

- (a) 1 : 500
- (b) 1 : 5000
- (c) 1 : 50000
- (d) **1 : 500000**

67. A form of diagram in which values are plotted as radii from a point of origin, is known as

(a) **Star diagram**

(b) Columnar diagram

(c) Block pile diagram

(d) Dispersion diagram

68. With reference to Dot method, consider the following Statements

(1) Dot method is the most convenient method for illustrating the distribution of absolute figures.

(2) The size of the dots depends upon the frequency of the element to be represented.

(3) In it each dot has an identical value

(4) It is used very effectively when plotting values in detail on a large scale.

Which of the statements given above is/are correct?

(a) **1, 3 and 4**

(b) 2,3 and 4

(c) 1 and 2 only

(d) 1,2, and 3

69. Match List I with List II and select the correct answer using the code given below the lists.

List I
(Map type)

List II
(Information Content)

- | | |
|-------------------|--|
| A. Choropleth | 1. Quantitative map showing imaginary lines joining places of equal value for any distribution |
| B. Isopleth | 2. Qualitative map showing areal distribution by symbols, index letters etc |
| C. Chorochromatic | 3. Qualitative map showing areal distribution by shades and tints |
| D. Choroschematic | 4. Quantitative map showing regional variation of |

distribution
using shades

Code :

- | | A | B | C | D |
|------------|----------|----------|----------|----------|
| (a) | 2 | 1 | 3 | 4 |
| (b) | 2 | 3 | 1 | 4 |
| (c) | 4 | 3 | 1 | 2 |
| (d) | 4 | 1 | 3 | 2 |

70. A graph showing wavelength and reflectance amount is known as

- (a) Spectral Reflectance Curve
- (b) Spectral Signature
- (c) Spectral Band**
- (d) Spectral Regions

71. For representing the data relating to cost control, quality control and assessment of progress, which of the following is/are the correct use of the diagram?

- (a) Cycle diagram
- (b) Chorochromatic maps
- (c) Chorographic compass maps
- (d) Both chorochromatic and chorographic compass maps**

72. A vector – based data structure is made for storing terrain information in digital terrain modeling in which each sample point has an x, y co-ordinate and a height, or z value. All

the points are connected by edges to form a network of non-overlapping triangles that collectively represent the terrain surface. This network is known as

- (a) TIN**
- (b) DTM
- (c) TQM
- (d) TIGER

73. In the Government of India, under which Ministry is the National River Conservation Directorate?

- (a) Ministry of Agriculture
- (b) Ministry of Earth Sciences
- (c) Ministry of Environment and Forests**
- (d) Ministry of Water Resources.

74. Consider the following statements

- (1) The Rhine rift valley stretches for more than 800 km.
- (2) The floor of Dead Sea is more than 1100 m below sea level.

Which of the statements given above is/are correct?

- (a) 1 only**
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

75. Consider the following statements

- (1) Mistral is a cold wind blowing in North America
- (2) Sirocco is a hot dry wind blowing across the North African coast.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) **2 only**
- (c) Both 1 and 2
- (d) Neither 1 nor 2

76. In the context of the inflow of South Westerly monsoon into India, consider the following statements

- (1) The Arabian Sea current merges with the Bay of Bengal current over the Punjab and adjoining Himalayas
- (2) "Breaks" or spells of dry weather are not the characteristic features of south-west monsoon.

Which of the statements given above is/are correct?

- (a) **1 only**
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

77. Consider the following statements regarding general characteristics associated with tropical cyclones

- (1) Tropical cyclones move with very low velocity over the oceans but become strong while moving over the land areas.
- (2) They are confined to a particular period of the year (mainly summer) and normally move from east to west.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) **2 only**
- (c) Both 1 and 2
- (d) Neither 1 nor 2

78. There is a submarine ridge in the Bay of Bengal. What is it called?

- (a) **Ninety East ridge**
- (b) Mozambique ridge
- (c) Chagos-Laccadive ridge
- (d) Carlsberg ridge

79. Consider the following Statements

- (1) The continental shelves of Lakshadweep originated due to coral reefs
- (2) The continental shelves of western coast are due to faulting and submergence.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) **Both 1 and 2**
- (d) Neither 1 nor 2

80. Consider the following Statements

- (1) Temperature of surface water is comparatively higher in the northern hemisphere than in the southern hemisphere
- (2) The isotherms in the southern hemisphere are not regular and do not follow the latitudes while they (isotherms) are regular and follow the latitudes in the northern hemisphere

Which of the statements given above is/are correct?

- (a) **1 only**
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

81. Consider the following Statements

- (1) Gulf of California
- (2) Mediterranean Sea
- (3) Baltic Sea

In terms of decreasing salinity, which one of the following is the correct sequence?

- (a) 1 – 2 - 3
- (b) **2 – 1 – 3**
- (c) 3 – 1 – 2
- (d) 2 – 3 – 1

82. Consider the following Statements

- (1) Globigerina ooze is a calcareous pelagic deposit
- (2) Globigerina ooze is found mostly in the tropical and temperate zones of the Atlantic ocean.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) **Both 1 and 2**
- (d) Neither 1 nor 2

83. Consider the following Statements

- (a) Gravitational effect of Moon
- (b) Difference in temperature of sea water and the air above
- (c) Rotation of Earth

(d) Friction of wind on the Water surface

84. Consider the following Statements

- (1) Laterite consists essentially of oxides of iron and aluminium
- (2) Ferrallitic soils occur widely in the humid, tropics where chemical weathering and leaching are intense.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) **Both 1 and 2**

(d) Neither 1 nor 2

85. Consider the following pairs

1. Podzolization : Eluviation of clays, organic matter, calcium, sodium, iron, and aluminium out of the A horizon
2. Gleization : Accumulation of organic matter in a swampy environment.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) **Both 1 and 2**
- (d) Neither 1 nor 2

86. Chernozems are

- (a) Silica rich temperate grassland soils
- (b) Iron rich humid upland soils
- (c) **Humus rich dark brown colour soils in semi-arid region**
- (d) Humus rich tropical grassland soils.

87. In which one of the following regions are the hurricanes apparently absent?

- (a) Coast of Texas
- (b) Gulf of Mexico
- (c) South – eastern coast of USA

(d) **South – eastern coast of Pacific**

88. The shifting cultivation that is leading to soil erosion in Brazil is known as

- (a) Milpa
- (b) Conuco
- (c) Tavy

(d) **Roca**

89. Two main cold currents in the North Pacific Ocean are known as

- (a) **Oyashio and California currents**
- (b) Alaska and Kuroshio currents
- (c) North Equatorial and Counter Equatorial currents
- (d) North Pacific and Kuroshio currents

90. Match List I with List II and select the correct answer using the code given below the lists.

List I (Author)	List II (Concept)
A. Davis	1. Pediplanation
B. Hack	2. Peneplanation
C. Hutton	3. Dynamic Equilibrium
D. King L.C.	4. Uniformitarianism

Code :

A B C D

- (a) 1 4 3 2
- (b) 1 3 4 2
- (c) 2 4 3 1
- (d) 2 3 4 1**

91. With reference to migration who of the following formulated the 'Gravity Model' which demonstrates the relationship between population size, distance and migration?

- (a) Zipf**
- (b) Miller
- (c) Malthus
- (d) Zelinsky

92. Consider the following statements

- (1) The location of objects in geographic space and the associated attributes are handled by GIS.
- (2) Spatial objects are represented by graphical elements of points, lines and polygons.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2**
- (d) Neither 1 nor 2

93. Match List I with List II and select the correct answer using the code given below the lists.

List I (Country)	List II (Feature)
A. Thailand	1. Entrepot
B. Singapore	2. Mekong delta
C. Indonesia	3. Pattaya beach
D. Vietnam	4. Banda Aceh

Code :

- | | | | | |
|------------|----------|----------|----------|----------|
| | A | B | C | D |
| (a) | 2 | 4 | 1 | 3 |
| (b) | 2 | 1 | 4 | 3 |
| (c) | 3 | 4 | 1 | 2 |
| (d) | 3 | 1 | 4 | 2 |

94. Geography was first divided into 'General' and 'Special' by

- (a) Varenius**
- (b) Kant
- (c) Humboldt
- (d) Ritter

95. Consider the following pairs

- (1) Ritter identified races by skin colour
- (2) Ritter's concepts regarding the Earth's geographical patterns were teleological

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only**

(c) **Both 1 and 2**

(d) Neither 1 nor 2

96. Ratzel coined the term 'Anthropogeography' which he used for the

(a) Geography of man in terms of individuals and races

(b) Geography of man and his works in relation to the Earth's surface

(c) Organic theory of society and state

(d) Study of harmonious reciprocal relation of man and nature

97. Which one of the following geographers wrote the book 'Influences of Geographic Environment'?

(a) Humboldt

(b) Ratzel

(c) Ritter

(d) Semple

98. Diorite is an example of

(a) Chemically formed sedimentary rock

(b) Extrusive igneous rock

(c) Plutonic igneous rock

(d) Metamorphic rock

99. Among the following regions of India, which one receives comparatively least amount of annual rainfall?

(a) An 80 km wide coastal belt from Nellore to Point Calimere

(b) The middle and lower Assam Valley

(c) North-eastern Rajasthan

(d) The coastal plains of Gujarat south of Narmada

100. As per Koppen's classification of climate, which one of the following is the suitable description for north – east India including north Bengal?

(a) Tropical monsoon rainforest (Am)

(b) Sub-tropical monsoon rainforest (Am)

(c) Humid sub-tropical with dry winter (Cwg)

(d) Tropical wet and dry climate (Monsoon savannah, Aw)

101. Consider the following

(1) In India groundnut is principally grown as rain-fed crop

(2) In India, sesamum is grown as kharif crop in northern states but in south it is generally grown during the rabi season.

Which of the statements given above is/are correct?

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

102. Match List I with List II and select the correct answer using the code given below the lists.

List I (Crop)	List II (Major cultivating districts)
------------------	--

- | | |
|-------------|-----------------------------|
| A. Ginger | 1. Cuddapah and Guntur |
| B. Jute | 2. Idukki and Wayanad |
| C. Mustard | 3. Goalopara and Kamrup |
| D. Turmeric | 4. Bharatpur and Ganganagar |

Code :

- | | | | | |
|------------|----------|----------|----------|----------|
| | A | B | C | D |
| (a) | 1 | 4 | 3 | 2 |
| (b) | 2 | 3 | 4 | 1 |
| (c) | 1 | 3 | 4 | 2 |
| (d) | 2 | 4 | 3 | 1 |

103. Consider the following pairs

- | | | |
|-------------|---|---|
| Mineral | : | District with large / significant / commercially important deposits |
| 1. Apatite | : | Visakhapatnam |
| 2. Chromite | : | Cuttack |
| 3. Gold | : | Nagaur |

4. Gypsum : Anantapur

Which of the statements given above is/are correct?

- (a) 1 and 2 only
- (b) 1, 2 and 3
- (c) 1, 2 and 4**
- (d) 2, 3 and 4

104. The Bhakra Nangal Multipurpose Project is a joint venture of

- (a) Punjab and Haryana only
- (b) Punjab, Haryana and Rajasthan only**
- (c) Punjab, Haryana, Rajasthan and Himachal Pradesh
- (d) Punjab and Himachal Pradesh only

105. consider the following statements

- (1) Maharashtra has more net irrigated area as compared to Madhya Pradesh
- (2) Punjab has more area under canal irrigation as compared to Haryana.

Which of the statements given above is/are correct?

- (a) 1 and 2 only
- (b) 1, 2 and 3
- (c) 1, 2 and 4
- (d) 2, 3 and 4**

106. Match List I with List II and select the correct answer using the code given below the lists.

List I (Coalfields)	List II (Districts)
A. Makum	1. Dibrugarh
B. Kamptee	2. Palamau and Hazaribagh
C. Karanpura	3. Nagpur
D. Singrauli (Waidhian)	4. Sidhi and Sahdol

Code :

	A	B	C	D
(a)	1	2	3	4
(b)	1	3	2	4
(c)	4	2	3	1
(d)	4	3	2	1

107. The plain formed due to coalescence of series of alluvial fans in the piedmont zone is known as

- (a) Pediment
- (b) Bajada**
- (c) Pediplain
- (d) Hamada

108. Aretes are sharp ridges which develop between the adjacent

- (a) Cirques**
- (b) Roche moutonnee

- (c) Medial moraines
- (d) U-shaped valleys

109. Calcium carbonate deposited by precipitation from carbonate – saturated waters around a hot spring is called

- (a) Stalactite
- (b) Stalagmite
- (c) Travertine**
- (d) Lapies

110. When a descending air contracts and its volume decreases, what happens to its temperature?

- (a) Its temperature decreases
- (b) Its temperature increases**
- (c) Its temperature remains constant
- (d) Its temperature first increases, then decreases.

111. What are Chinooks?

- (a) Cold local winds which blow from north-west to south-east direction in Spain
- (b) Extremely dry winds blowing from north-east and east to west in eastern parts of Sahara desert
- (c) Warm and dry winds which blow down the eastern slopes of Rocky Mountains of North America**

(d) Warm and dry winds along the northern slopes of Alps Mountains.

112. Condensation is a process which occurs when

- (a) Temperature falls below OC
- (b) Absolute humidity becomes equal to relative humidity
- (c) Temperature in the air parcel remains static

(d) Relative humidity becomes 100% and more

113. Which of the following sequences of clouds in ascending order would one meet 500 metres and above the mean sea level?

- (a) Stratus, Nimbus, Cirrostratus, Cirrus**
- (b) Nimbus, Cirrostratus, Cirrocumulus, Stratus
- (c) Cirrostratus, Stratus, Nimbus, Cumulo-nimbus
- (d) Stratus, Cirrostratus, Cumulo-nimbus, Cirrocumulus

114. A ridge, 64,000 km long and 1000 to 4000 km wide, runs down the middle of the North and the South Atlantic Ocean basins, into the Indian Ocean basins, then passes between

Australia and Antarctica to enter the South Pacific basin. What is this ridge?

- (a) Socotra – Lakshadweep – Chagos ridge
- (b) Pacific – Antarctic ridge
- (c) Dolphin – Challenger ridge

(d) Mid-oceanic ridge

115. Match List I with List II and select the correct answer using the code given below the lists.

List I (Sediment Types)	List II (Examples)
A. Terrigenous	1. Calcareous oozes
B. Biogenous	2. Quartz and clay
C. Hydrogenous	3. Tektite spheres
D. Comogenous	4. Manganese nodules

Code :

- | | | | | |
|------------|----------|----------|----------|----------|
| | A | B | C | D |
| (a) | 2 | 4 | 1 | 3 |
| (b) | 2 | 1 | 4 | 3 |
| (c) | 3 | 1 | 4 | 2 |
| (d) | 3 | 4 | 1 | 2 |

116. Hard pan and clay pan in soil are found in

- (a) A-horizon**
- (b) B- horizon
- (c) C – horizon

(d) A- C horizon

117. Very thick A – horizon is often found in

(a) Chernozem soil

(b) Chestnut soil

(c) Brown forest soil

(d) Podzolic soil

118. Match List I with List II and select the correct answer using the code given below the lists.

List I (Soil group)	List II (Climatic Regimes)
A. Chernozem	1. Temperate grasslands
B. Terra Rossa	2. Mediterranean
C. Podsol	3. Cool Temperate
D. Sierozem	4. Hot deserts

Code :

- | | A | B | C | D |
|------------|----------|----------|----------|----------|
| (a) | 4 | 3 | 2 | 1 |
| (b) | 1 | 2 | 3 | 4 |
| (c) | 4 | 2 | 3 | 1 |
| (d) | 1 | 3 | 2 | 4 |

119. Match List I with List II and select the correct answer using the code given below the lists.

List I
(Highest Peak)

List II
(Country)

- | | |
|--------------------|--------------|
| A. Mount Logan | 1. Australia |
| B. Mount McKinley | 2. U.S.A |
| C. Mount Kosciusko | 3. Canada |

Code :

- | | A | B | C |
|------------|----------|----------|----------|
| (a) | 1 | 2 | 4 |
| (b) | 1 | 2 | 3 |
| (c) | 3 | 2 | 1 |
| (d) | 2 | 3 | 1 |

120. In U.S.A which one of the following regions receives heavy rainfall throughout the year under the influence of Westerlies?

- (a) North Western**
- (b) North Eastern
- (c) South Western
- (d) South Eastern