



BOOKLET SERIES 'C'

How Fast The Key Released

Is Not important.....!

How Accurate The Key Is

Important.....!!!

For explanation with

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1. Which projection is used to maintain the properties of line of constant and correct direction?

- a. Mercator's
- b. Gnomonic
- c. Zenithal
- d. Conical

2. Consider the following statements regarding the conformal projection :

- 1) It is very easy to preserve the shape especially for a larger area.
- 2) Only a few points in the sphere can be projected in the true form.
- 3) It is possible to make some of the meridians and parallels true.

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

3. Consider the following characteristics of a particular projection:

- 1) Parallels are represented by concentric circles.
- 2) Equator cannot be represented in this projection
- 3) It is useful to navigators and is suited to small areas around the pole.

Which one of the following projections would show all the above characteristics?

- a. Polar Zenithal
- b. Simple Conical
- c. Mercator's
- d. Sinusoidal

4. Thermal imagery has several major advantages over the visible & NIR imagery. Which of the following statements in this regard is, however, not correct?

- a. Thermal imagery is not dependent on instant sunlight.
- b. It can be acquired in daytime as well as night time.
- c. Terrestrial information can be acquired in any weather (clear, foggy, or cloudy)
- d. It can lead to mapping the distribution of surface temperature.

5. Which one of the following scholars said "Geography is a science of mathematical relationships and everything else is chorography"?

- a. Ptolomy
- b. Plato
- c. Herodotus
- d. Anaximander



6. The most fundamental geometric difference between vertical aerial photograph and the topographic map is

a. Selected features are represented by conventional symbols in maps, whereas on photo entire details are shown as tonal variations.

b. Maps are represented in orthogonal projection, whereas photographs are in central projection.

c. On aerial photos some idea of relief can be had from shadows, whereas on maps the idea of relief is gained through contours.

d. Many objects are hidden in shadows in aerial photos, whereas on maps no objects are hidden in shadows.

7. Which one of the following has the highest elevation above mean sea level?

a. Parasnath

b. Panchmarhi

c. Dodabetta

d. Anaimudi

8. Which among the following types of regions is conducive for formation of lateritic soils?

a. Regions of scanty rainfall and high temperature

b. Regions of high rainfall and high temperature

c. Regions of intensive farming

d. Regions of overgrazing

9. With reference to multipurpose projects, consider the following statements :

1. Machkund project is a joint venture of Andhra Pradesh and Chhattisgarh states.

2. Parambikulam is a joint venture of Kerala and Tamil Nadu

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

10. With reference to natural vegetation of India, consider the following pairs :

Type of Forest Plant

1 Tropical Semi-evergreen : Indian Chestnut

2 Tropical Deciduous : Sandalwood

3 Tropical evergreen : Tamarind

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

11. Consider the following statements :

1. Uttarakhand has the largest established reserves of magnesite in the country.

2. Orissa is the largest producer of chromite in the country.

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

12. With reference to Koppen's classification of climate types, consider the following pairs:

Type of Climate	Region
1 Amw	: coramandel coast
2 BShw	: Central Rajasthan
3 Dfc	: Arunachal Pradesh

Which of the statements given above is/ are correct?

- a. 1 only
- b. 2 and 3
- c. 3 only
- d. 1,2 and 3

13. Punjab is a leading producer of wollen goods in the country. why?

1. It has high yielding exotic breeds of sheep in large farms.
2. It imports wool from neighboring states.
3. It has a large market.

Which of the statements given above is/ are correct?

- a. 1 only
- b. 2 and 3 only
- c. 3 only
- d. 1,2 and 3.

14. Which of the following form the base for the manufacture of stainless steel?

- a. Chromium and nickel
- b. Chromium and zinc
- c. Nickel and zinc
- d. Nickel only

15. With reference to the minerals available from the Indian Ocean, consider the following statements :

1. The Arabian Sea is richer in phosphate than the Bay of Bengal.
2. The manganese nodules are found along the coasts of the Bay of Bengal only and not along the coasts of the Arabian sea.

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

16. What is the difference between Himalayan rivers and peninsular rivers?

1. Himalayan rivers form meanders and often shift their beds while the peninsular rivers have little scope for formation of meanders.
2. The Himalayan rivers are examples of antecedent drainage whereas the peninsular rivers are examples of consequent drainage.

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

17. The Bikaner Canal was taken off from the river

- a. Banas
- b. Chambal
- c. Satluj



d. Yamuna

18. With reference to the tropical cyclones, consider the following atmospheric / oceanic conditions :

1. High relative humidity
2. Location of 5° latitude away from the equator
3. Warm sea temperature

Which of the statements given above is/ are correct?

- a. 1 & 2 only
- b. 3 only
- c. 2 and 3 only
- d. 1,2 and 3

19. Which of the following is a secondary pollutant?

- a. Benzene
- b. Nitrogen oxide
- c. Ozone
- d. Sulphur Dioxide

20. Consider the following statements :

1. Prevention and control of soils erosion is one of the aims of the Chambal Valley project.
2. The construction of Jawahar Sagar dam is a part of the Chambal Valley project.

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. Consider the following pairs :

Glacier	Location
1 Milam	: Nanga Parbat
2 Sonapani	: Chadra Valley of Lahaul and Spiti

3 Siachen : Nubra Valley

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

- a. 1 only 2 only
- b. 3 only
- c. 2 and 3 only
- d. 1,2 and 3.

22. Consider the following statements :

1. A bird's foot delta is formed when the river water is much more dense than the sea water.
2. The estuarine deltas are always formed in semi-arid areas or arid areas.

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

23. Consider the following statements :

1. Anticyclones are more common in the subtropical high pressure regions and are practically absent in equatorial regions
2. Anticyclones are always circular in shape and are much smaller in size as compared to temperate cyclones.

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

24. Consider the following statements :



- 1) Jowar is cultivated as a kharif crop only.
- 2) Bajra is cultivated as a rabi crop only

Which of the statements given above is/ are correct?

- b. 1 only
- c. 2 only
- d. Both 1 and 2
- e. Neither 1 nor 2

25. When the limbs of a fold dip in the same direction at the same angle, it is called

- a. Syncline
- b. Homocline
- c. Monocline
- d. Isocline

26. Which one of the following pairs is not correctly matched?

Location	Climate Type
a Atacama	: Bw
b California	: Cs
c Malaysia	: Aw
d United Kingdom	: Df

27. Remote sensing of terrain features is mostly based on

- a. Diffuse reflectance properties of the terrain features.
- b. Transmitted properties of the terrain features.
- c. Absorption properties of the terrain features.
- d. Emissivity properties of the terrain features.

28. Sustained long shore drift of material is caused by

- a. Diurnal tides

- b. Spring tides
- c. Regular waves that approach the coast perpendicularly
- d. Regular waves that approach the coast at an oblique angle

29. Navigators carry with them both a Mercators Chart and a Gnomonic Chart to Determine the

- a. Rhumb line by any one of them
- b. Shortest route by any one of them.
- c. Rhumb line by Gnomonic and shortest route by Mercator's
- d. Rhumb line by Mercator's and shortest route by Gnomonic.

30. Which one of the following is not a tree of Himalayan forests?

- a. Ebony
- b. Indian Birch
- c. Spruce
- d. White willow

31. When one goes from west to east, which one of the following is the correct sequence of location of the towns one would find?

- a. Jeddah, Beirut, Baghdad, Tehran
- b. Beirut, Baghdad, Jeddah, Tehran
- c. Beirut, Jeddah, Tehran, Baghdad,
- d. Beirut, Jeddah, Baghdad, Tehran

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

List I	List II
Regions of Brazil	Important Towns
a North	: Recife
b South-east	: Cuiaba



- c Centre West : Sao Paulo
d North – East : Manus

Code :

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

33. Which of the following island groups in South Asia are formed of coral polyps?

1. Andaman
2. Amindive
3. Maldives
4. Minicoy

Which of the statements given above is/ are correct?

- a. 1 and 2 only
- b. 3 and 4 only
- c. 1, 2 and 3
- d. 2,3 and 4

34. Gaza Strip is on the shore of which one of the following?

- a. Mediterranean Sea
- b. Persian Gulf
- c. Red Sea
- d. Gulf of Oman

35. Which one of the following is a virtually rainless place?

- a. Kalahari Desert
- b. Sahara Desert
- c. Atacama Desert
- d. Gibson Desert

36. Consider the following characteristics of a Rock type :

1. Formed by the cooling and solidification of molten magma
2. Molten lava when cooled forms into crystals
3. Forms into lava plateaus, lava plains and lava shields

Which one of the following mentioned rocks possess the above characteristics?

- a. Sedimentary rocks
- b. Igneous rocks
- c. Metamorphic rocks
- d. Both Metamorphic and Sedimentary rocks.

37. Which of the following is the correct sequence of the cities located on the Californian Peninsula from north to south?

- a. San Lucas, San Diego, Comondu
- b. Sandiego, Sanlucas, Comondu
- c. Comondu, San Lucas, San Diego
- d. San Diego, Comondu, San Lucas

38. With reference to thermal imagery, which one of the following statements is not correct?

- a. Warmer objects emit more infra-red radiation than cooler objects
- b. Warmer objects appear lighter than the cooler objects.
- c. Any object whose temperature is even below zero K can be imaged during day and night.
- d. Difference in emissivity is important in determining thermal patterns in the image.

39. Which one of the following pairs is not correctly matched?

- a. Volcanic Lake : Lonar



- b Lagoon : Pulicat
- c Rockfall lake : Lunkaransar
- d Glacial lake : Verinag

Which of the statements given above is/ are correct?

- a. 1 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2 and 3

40. With reference to a typical False Colour Composite (FCC), which one of the following statements is not correct?

- a. Healthy growing vegetation appears bright red.
- b. Deep and polluted water bodies appear blue
- c. Cloud, sand and snow appear white.
- d. Urbanized, built-up areas appear grey.

41. Consider the facts given below regarding a particular region:

- 1. It has the hardest and best heating coal.
- 2. The region accounts for half of the world's anthracite coal output.
- 3. Scranton, Carbondale and Wilkes Barre are the mining towns for this coal.

Which of the following regions of USA represent the above mentioned facts?

- a. Rocky Mountain region
- b. Pennsylvania region
- c. Appalachian region
- d. The Gulf region

42. Which of the following are characteristic / characteristics of the Tundra biome?

- 1. Dominance of annual plants over the perennial plants
- 2. Very common presence of lichens and mosses
- 3. Presence of musk oxen, hares and lemmings

43. Consider the following statements :

- 1. Basaltic lava is relatively low in silica and high in iron and magnesium content.
- 2. Basaltic lava is always more viscous as compared to other kinds of lava.

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

44. Ferrel's Law deals with

- a. Pressure differences on either side of a mountain
- b. temperature gradients across the coast
- c. rate of flow of warm currents in the sea
- d. direction of movement of wind in the hemispheres

45. Consider the following statements

- 1. Convectonal precipitation is confined to the equatorial regions only
- 2. Convectonal precipitation occurs in short periods of time in extremely localized areas.

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

46. The first isothermal world map for average temperature and concept of continentality were developed by

- a. Immanuel Kant
- b. George Forest
- c. Carl Ritter
- d. Alexander von Humboldt

47. Which one of the following scholars has developed the concept of Modes of Life (Genres de Vie)?

- a. Vidal de la Blache
- b. Jean Brunches
- c. Albert Demangeon
- d. Emmanuel de Martonne

48. Consider the followings statements

1. The Westerlies of northern hemisphere are stronger than those in southern hemisphere
2. In the Westerlies, the flow of air is from the subtropical high pressure cells to the temperate zone of low pressure.

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. Consider the following statements:

1. Altocumulus clouds are capable of forming halos
2. Cumulonimbus clouds are involved in thunderstorms, lightning and heavy rains

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

50. Match List I with List II

List I

List II

Original Rock

Metamorphic Rock

- | | | | |
|---|-----------|---|--------------|
| a | Gabbro | 1 | Amphibolites |
| b | Basalt | 2 | Epidiorite |
| c | Sandstone | 3 | Slate |
| d | Shale | 4 | Quartzite |

Code :

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

51. A Transition zone or region separating two biomes is known as

- a. Ecocline
- b. Ecological niche
- c. Ecotone
- d. Eotype

52. What would be the R.F. when a map of 1cm=60 km is reduced to one-third?

- a. 1:18,000,000
- b. 1:3,168,000
- c. 1:1,000,000
- d. 1:20,000

53. Consider the following statements :

Map scale represented in the form of Representative Fraction (RF)

1. Is presented as fraction or ratio
2. has both numerator and denominator in the same unit of length but not mentioned
3. has numerator as 1 always



4. is not affected by reduction and enlargement of the map.

Which of the statements given above is/ are correct?

- a. 1,3 and 4
- b. 2,3 and 4
- c. 1,2 and 4
- d. 1,2 and 3.

54. Consider the following statements :

A thematic map

- 1. is a special purpose map
- 2. Communicates geographical relationships
- 3. Shows single theme or multiple themes of a study.
- 4. depicts surface features of an area

Which of the statements given above is/ are correct?

- a. 1,3 and 4
- b. 1,2 and 3
- c. 2,3 and 4
- d. 1,2 and 4

55. Which of the following types of scale is used in the precision instruments like theodolite sextant and plainmeter?

- a. Linear
- b. Diagonal
- c. Comparative
- d. Vernier

56. With reference to the triangular diagram which one of the following statements is not correct?

- a. It shows three inter-related components on three axes of the graph

b. Each scale represents values as fraction or percentage of the whole.

- c. One can read real value of each component as well as total value of three components from the graph
- d. The scatter plot only presents the tri-component composition of the total values.

57. Which one of the following characteristics is not correct with reference to Lorenz curve?

- a. The diagonal line in the graph indicates no segregation
- b. The distance of the segregation line from the diagonal line indicates the degree of segregation
- c. It is used to measure the similarities in the distribution of two variables
- d. The indices vary from 0-100 for each of the variables represented.

58. Which map projection comes nearest to the simple regular graph paper?

- a. Universal Transverse Mercator (UTM) Projection
- b. Gall's Sterographic Secant Equatorial Projection
- c. Simple Cylindrical Projection
- d. International (Modified Polyconic) Projection

59. The net or mesh of mutually intersecting parallels and meridians drawn to a certain scale and based on certain principles is known as

- a. Graticules
- b. Standard Parallel



- c. Prime Meridian
- d. Great Circle

60. Which one of the following is not correct regarding the properties of polyconic projection?

- a. It represents the piling up of as many hollow cones as the circles of latitudes
- b. All the cones are tangent to the sphere along the corresponding parallels of latitudes.
- c. **The circles of latitudes are concentric circles**
- d. It is neither conformal nor equal area projection.

61. Consider the following statements :

1. Neap tide occurs during the lunar quadrature
2. During lunar quadrature tidal producing force supplement each other

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. Consider the following statements :

1. Diurnal tide occurs every 24 hours 52 minutes.
2. In Shallow water, tidal energy is dissipated by the frictional drag of the sea bed.

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

63. Which one of the following soil types has higher clay content than others?

- a. Entisol
- b. Inceptisol
- c. Oxisol
- d. **Vertisol**

64. With reference to Himalayan rivers, consider the following statements :

1. They flow against the general dip-direction
2. They have formed the courses cutting across the mountain ranges.

Which of the above statements indicates/ indicate these rivers being older than Himalayan landforms?

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

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

List I	List II
Soil Type	Environmental condition for occurrence
a Spodosols	1 Humid cool temperate climate with coniferous forests
b Ultisols	2 Grasslands with marked dry season
c Aridisols	3 Dry climates
d Vertisols	4 Humid tropics

Code :

	A	B	C	D
a	1	4	3	2



- b 1 4 2 3
- c 4 1 2 3
- d 4 1 3 2

66. With reference to forest areas, consider the following features:

1. Frequent presence of plants with thick waxy leaves
2. Frequent presence of epiphytes and lianas
3. Little accumulation of litter on the floor.

Which of the above is/are the features of climax tropical rain forest?

- a. 1 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1,2 and 3

67. Consider the following statements :

1. Thunderstorms are common in middle latitudes only and not in low latitudes.
2. Unlike larger scale storm systems, thunderstorms have no distinct life cycle.

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

68. Consider the following regions of oceans

1. Western North Pacific
2. South Atlantic
3. South Eastern Pacific

In Which of the above regions do hurricanes occur?

- a. 1 only
- b. 2 & 3 only
- c. 1 and 3 only
- d. 1,2 and 3

69. Chicago lies on the shore of

- a. Lake Erie
- b. Lake Ontario
- c. Lake Michigan
- d. Lake Huron

70. Match List I and List II

Primitive people	Native People
a Bushmen	1 Congo Region
b Bedouins	2 Kalahari Desert
c Pygmies	3 Eastern Africa
	4 Arab Desert

Code :

	A	B	C
a	3	2	1
b	3	4	2
c	2	3	4
d	2	4	1

71. Nomadic herding is practiced in

- a. Hot wet areas
- b. Cool humid areas
- c. Seasonal dry areas
- d. Semi-temperate areas

72. Lumbering is an important occupation in cool temperate regions because of

- a. Large supply of labourers
- b. Workable softwood trees
- c. Easy transportation
- d. Large stand of trees

73. The iron and steel industry is largely concentrated in the Kuzbass region because of the

- a. Availability of iron-ore
- b. Availability of coal
- c. Local market facility



d. Local supply of labour force

d. 3 and 4 only

74. Rive Nile in Egypt forms the

- a. Arcuate Delta
- b. Cuspate Delta
- c. Bird's foot Delta
- d. Estuarine Delta

78. Match List I and List II

	Country	Mountain Peak
a	Spain	1 Gora Elbrus
b	Austria	2 Ben Nevis
c	Russian Federation	3 Aneto
d	UK	4 Grassglockner

75. In the Concentric Zone Model of urban structure, the Zone V refers to the

- a. Commuting
- b. Transition
- c. Low income housing
- d. High income housing

Code :

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

76. In which one of the following areas, the ethnic communities Fur, Masalit and Zaghawa, who have been in news in recent times, are found

- a. Central Asia
- b. Darfur
- c. Ossetia and Chechnya
- d. South China.

79. By which one of the following names are large ranches of Australia known?

- a. Estancia
- b. Fazenda
- c. Kraal
- d. Station

77. Consider the following pairs :

	Natural Region	Inhabitants
a	Amazon basin in equatorial region	Bambutì
b	Kalahari desert of tropical desert region	Bindibu
c	Temperate grassland region of central asia	Kirghiz / Kyrgyz
d	Tundra region in Northern Europe	Eskimo

80. Consider the following regions

1. Uzbekistan in Central Asia
2. Region extending from Ukraine to Western Siberia
3. State of Illinois, Ohio and Indiana

In which of the above areas is commercial grain farming practiced?

- a. 1 only
- b. 1 and 3 only
- c. 2 and 3 only
- d. 1,2 and 3

Which of the pairs given above is/are correctly matched

- a. 1,2 and 3
- b. 1 and 4 only
- c. 3 only

81. The areal expansion of urban oriented and commercial development beyond the suburbs to the rural areas in Canda is called



a. Conurbation

b. Exurban

c. Megapolis

d. None of the above

82. Which one of the following regions is called the bread basket of Canada?

a. Alberta

b. Keewatin

c. Nova Scotia

d. Saskatchewan

83. Which one of the following states of the USA is largest in terms of Geographical area?

a. Alaska

b. California

c. Montana

d. Texas

84. Which one of the following is the highest range in Western Cordilleras in USA?

a. Cascade Range

b. Sierra Madre Oriental

c. Rockies

d. Sierra Nevada

85. Match the List I with List II

List I

List II

A	Newcastle	1	Cotton Textiles
B	Middlesborough	2	ship building
C	Bradford	3	Iron and steel
D	Lancashire	4	Wollen mills

Code :

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

86. Which one of the following is the correct sequence of minerals in terms of descending order of their hardness?

a. Aptite - Calcite - Quartz

b. Calcite - Apatite - Quartz

c. Quartz - Apatite - Calcite

d. Quartz - Calcite - Apatite

87. Consider the following island of Japan

1. Hokkaido

2. Honshu

3. Kyushu

4. Shikoku

What is the correct sequence of them in terms of descending order of their geographical area?

a. 1-2-3-4

b. 2-1-4-3

c. 1-2-4-3

d. 2-1-3-4

88. Australia exports iron or mainly because

a. Coking coal is not locally available for smelting the ore

b. Demand for iron and steel in the country is low

c. Costal location of mines of iron ore favours export

d. The ore is of high grade.

89. Which one of the following is the correct sequence of towns from north to south on the coast of Australia?

a. Brisbane - Rockhampton - Sydney - Melbourne

b. Rockhampton - Birsbane - Sydney - Melbourne

c. Brisbane - Rockhampton - Melbourne - Sydney

d. Rockampton - Brisbane - Melbourne - Sydney



90. Consider the following statements :

1. Indonesia's agriculture and industry are mostly concentrated in the island of Java.
2. The economy of Indonesia is mainly dependent on agriculture and mining.

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

91. Which geological era includes permo-carboniferous glaciations?

- a. Archaeozoic
- b. Palaeozoic
- c. Mesozoic
- d. Cenozoic

92. Consider the following statements:

1. Palaeozoic era started about 600 million years ago
2. Reptiles evolved during Carboniferous period.
3. Permian was the longest period in Palaeozoic era

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

93. The conditions of high temperature and high moisture do not co-exist in which one of the following types of climatic regions?

- a. Savanna
- b. Prairie
- c. Monsoon
- d. Mediterranean

94. Consider the following statements :

1. Slow cooling usually leads to coarse crystalline texture in rocks.
2. In acidic igneous rocks about 65% or more silica is 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

95. Which one of the following is a geostationary satellite?

- a. Landsat
- b. Insat
- c. IRS
- d. SPOT

96. Consider the following statements :

1. Weathering changes the character of the rock without dislocating it.
2. Crystalline rocks are more susceptible to physical weathering than sedimentary 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

97. Which drainage pattern is characteristic of bolsons in arid and semiarid regions?

- a. Annular
- b. Centripetal
- c. Trellis
- d. Radial

98. The residual hills that stand out at the end of a karst cycle of erosion are called



- a. Bornhardts
- b. Inselbergs
- c. Monadnocks
- d. Hums

99. Which one of the following statements is not correct?

- a. J.W. Powell postulated the concept of "base level".
- b. The maximum downward limit for a river to deepen its valley is called its base level.
- c. Dead Sea is an example for ultimate base level.
- d. In reality, base level may be a gently sloping curve.

100. Match the List I with List II

(Terms / (Associated with) features)

- | | | | |
|---|------------|---|---------------------|
| A | Erratic | 1 | Underground curve |
| B | Ventifacts | 2 | River course |
| C | Tombolo | 3 | Wind action |
| D | Yazoo | 4 | Glacial deposition |
| | | 5 | Sea wave deposition |

Code :

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

101. Consider the following statements:

1. Jet streams are high altitude, high speed mid-latitude wind systems.
2. Jet streams follow a zigzag path.
3. Normally a jet stream is thousands km in length and hundreds of km width.

Which of the statements given above are correct?

- a. 1 only
- b. 3 only
- c. 2 and 3 only
- d. 1,2 and 3

102. Consider the following statements

1. Hadley cell is a feature of thermally driven atmospheric circulation.
2. Heat islands are a temperature phenomena associated with urban areas, especially at nights.
3. Anabatic wind is a local wind blowing up-valley in the afternoon, especially in summer.

Which of the statements given above are correct?

- a. 1 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1,2 and 3

103. Consider the following statements:

1. Planetary winds are affected by Coriolis force.
2. Local winds have constant speed and constant direction

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

104. Which one of the following is used in large quantities in the manufacture of ammonium sulphate fertilizers?

- a. Apatite
- b. Dolomite
- c. Gypsum
- d. Pyrite



105. Match List I with List II

Clouds	Characteristics
A Cirrus	1 Dense tall clouds that produce thunderstorms
B Stratus	2 Blanket like clouds that cover large areas
C Cumulonimbus	3 Fibrous high altitude detached clouds
D Cirrostratus	4 Composed of ice crystals that cause formation of halos around sun and moon
	5 Globular masses of clouds in groups with clear sky in between

Code :

	A	B	C	D
a	3	2	1	5
b	3	5	1	4
c	1	3	5	4
d	3	2	1	4

106. Which one of the following statements is not correct?

- a. Rime is a deposit of ice crystals formed when fog of supercooled water droplets comes into contact with temperature of below freezing poing.
- b. Radiation fog is formed by strong turbulent mixing in cloudy weather especially over the hill tops

- c. The term mackerel sky is used for thesky covered with cirrocumulus or altocumulus clouds.
- d. The critical temperature at which an unsaturated air parcel becomes saturated is called "dew poin".

107. Consider the following pairs:

Clouds	Characteristics
A Kishau	: Alaknanda
B Koteswar	: Bhagirathi
C Nangal	: Satluj

Which of the statements given above are correct?

- a. 1 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1,2 and 3

108. According to the polar front theory, temperate cyclones originate due to the

- a. Convergence of cold polar continental air mass and warm tropical maritime air mass
- b. Divergence of cold polar continental air mass and warm moist maritime air mass.
- c. Convergence of different air masses against high pressure belts
- d. Convergence of arctic and temperate air masses.

109. In the temperate cyclone when the centre bound inward air circulation becomes convergent pattern, what happens to the wind?

- a. Wind aggregates at the centre.
- b. Wind ascends upward and expands outward.



- c. Wind descends downward and expands outward
- d. Wind ascends and then descends downward.

	A	B	C	D
a	1	3	5	2
b	3	5	1	2
c	3	5	1	4
d	1	3	5	4

110. The Damodar Valley Corporation's projects include dams at

- a. Tilaiya only
- b. Maithon and Panchet only
- c. Maithon, Konar and Tilaiya only
- d. Panchet, Maithon, Konar and Tilaiya

111. With reference to Koppen's system of climatic classification, consider the following statements :

1. A,C and D represent forest climates.
2. 'f', 's', and 'w' represent the characteristics of rainfall distribution

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

112. Match List I with List II

	Relief		Ocean
A	Telegraph Plateau	1	South Atlantic
B	Kermadec Trench	2	North Indian
C	South Sandwich Trench	3	North Atlantic
D	Carlsberg ridge	4	South Indian
		5	South Pacific

Code :

113. The bottom topography of Atlantic Ocean is dominated by a central S-shaped ridge extending from

- a. Iceland to St.Paul's Rock
- b. Iceland to South Sandwich Island
- c. Iceland to Bouvet island
- d. None of the above

114. Consider the following states :

1. Tamil Nadu
2. Rajasthan
3. Gujarat

Which of the statements given above are correct?

- a. 1 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1,2 and 3

115. Consider the following statements :

1. Globigerina ooze is found mostly in tropical and temperate oceans
2. Radiolarian is predominantly a calcareous ooze
3. Diatom ooze is found more around Antarctica and North Pacific.

Which of the statements given above is/are correct

- a. 1 only
- b. 2 only
- c. 1 and 3 only
- d. 1,2 and 3



116. Consider the following pairs

	Clouds	Characteristics
A	Andhra Pradesh	1 Copper
B	Chattisgarh	2 Bauxite
C	Gujarat	3 Diamondiferous kimberlite

Which of the statements given above is/are correct

- a. 1 only
- b. 2 only
- c. 1 and 3 only
- d. 1,2 and 3

117. The smallest difference in radiance detected by the satellite sensor is called

- a. Spectral resolution
- b. Spatial resolution
- c. Radiometric resolution
- d. Temporal resolution

118. With reference to the North Atlantic Gyre, which one of the following is the correct sequence?

- a. Caribbean, Gulf Stream, North Atlantic Drift, Canaries
- b. North Atlantic Drift, Gulf stream, Canaries, Caribbean
- c. Caribbeabn, North Atlantic Drift, Gulf Stream, Canaries
- d. Canaries, Gulf Stream, North Atlantic Drift, Caribbean

119. During aerial photography, a sudden strong tail wind can lead to which of the following changes in aerial photo coverage?

- a. Decrease in the amount of side lap

- b. Increase in the amount of side lap
- c. Decrease in the amount of end lap
- d. Increase in the amount of end lap.

120. Consider the following statements:

1. Occurrence of EL Nino produces warm sea surface temperature over equatorial eastern Pacific Ocean.
2. Jet Streams get irregular pattern due to EL Nino events and produce weather anomalies in coastal areas of Tropical Pacific in costal areas of Tropical Pacific 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