

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

T.B.C. : STS-K-TPT
Serial No.:

Test Booklet Series

TEST BOOKLET

Subject : Test 12 – Geography
Question Paper



Time Allowed : Two Hours

Maximum Marks : 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GOT IT REPLACED BY A COMPLETE TEST BOOKLET.

2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.

3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside. DO NOT write anything else on the Test Booklet.

4. This Test Booklet contains 100/80 items (questions). Each item is printed in English. Each item comprises of four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each item.

5. You have to mark all your responses ONLY on the separate Answer Sheet provided. See directions in the Answer Sheet.

6. All items carry equal marks

7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.

8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator only the Answer Sheet. You are permitted to take away with you the Test Booklet.

9. Sheets for rough work are appended in the Test Booklet at the end.

10. Penalty for wrong answers:

THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS

(i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one third** if the marks assigned to that question will be deducted as penalty.

(ii) If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to that question.

(iii) If a question is left blank, i.e., no answer is given by the candidate, there will be no penalty for that question.

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1. Which of the following statements are correct about Regur Soil?
1. Regur soil is also known as Red Soil
 2. Regur soil is best suitable for cultivating cotton
 3. Regur soil is found in Deccan region

Select the answer from the below codes

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

2. Which of the following statements regarding Soils is/are correct?

1. Peaty soils have rich humus and organic content.
2. Arid soils are known as Urvara soils.
3. Laterite soils are the result of intense leaching.

Select the correct answer using the code given below:

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

3. Which of the following statements is/are incorrect regarding Indian Monsoon?

1. It connotes the climate associated with a seasonal reversal in the direction of winds.
2. Every part of India receives rainfall from June to September.

Select the correct answer using the code given below:

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

4. Which of the following is the type of plate boundary of the Indian plate along the Himalayan Mountains?

- (a) Ocean-Continent Convergence
- (b) Divergent Boundary
- (c) Transform Boundary
- (d) Continent-Continent Convergence

5. Consider the following statements about monsoon winds in India:

1. South-west monsoons are attracted to India due to rapid heating of the landmass in summers.
2. North-east monsoon winds blow from the subcontinent to Indian ocean and Bay of Bengal.

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

6. With reference to the distribution of water on Earth, consider the following statements:

1. Major percentage of water on earth's surface is freshwater
2. Major percentage of freshwater is trapped in glaciers and polar ice caps.
3. Moisture in soil holds more water than available in rivers and streams.

Which of the statements given above is/are correct?

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

7. With reference to ocean currents, consider the following statements:

1. Ocean currents are stronger at the surface than at the depths.
2. Water with low salinity is denser than water with high salinity.
3. Difference in water density affect the vertical mobility of ocean currents.

Which of the statements given above is/are correct?

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

8. Which of the following forces influence the ocean currents?

1. Heating by solar energy
2. Gravity
3. Coriolis Force

Select the correct answer using the code given below:

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

9. Match the following:

List I

List II

- A. Lapoliths 1. It is an example of Flood Basalt Province.
B. Sills 2. A type of intrusive volcanic landforms having saucer shape.
C. Dykes 3. A vertical wall-like structure that forms after cooling of lava.
D. Deccan Trap 4. A thin horizontal intrusive igneous landform.

Select the correct answer using the code given below:

A B C D

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

10. Which of the following sources is not a direct source of information about the interior of the Earth?

- (a) Solid Earth materials obtained from mining.
- (b) Magma obtained from a volcanic eruption.
- (c) Materials obtained from the meteors.
- (d) Materials collected at different depths during the Deep Ocean Drilling Project

11. The terms "Roaring forties, Furious Fifties, Brave West winds' are all associated with

- (a) Jet Streams
- (b) Polar Winds
- (c) Trade Winds
- (d) Westerlies

12. Which of the following statements are correct

1. Pingos are massive ice-cored mounds that develop through pressurized groundwater flow mechanisms.
2. Pingos and their collapsed forms are found in periglacial and paleo-periglacial terrains on Earth
3. Small rocky hill like structure formation called Tors is created due to foliation of Granite stones
4. Badland topography can be seen in Cauvery delta region in the southern India

Select the answer from the below codes

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

13. Arrange the following elements in decreasing order with respect to their abundance in the earth's crust?

- (a) Iron > Silicon > Oxygen > Aluminium
- (b) Iron > Oxygen > Silicon > Aluminium
- (c) Oxygen > Silicon > Iron > Aluminium
- (d) Oxygen > Silicon > Aluminium > Iron

14. Which of the following is Endogenetic Force part of Earth Movements

1. Earth Quake
2. Glacial Outburst
3. Mountain Building
4. Volcanic Eruption

Select the answer from the below codes

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

15. Which of the following crop is grown in south India as well as in other parts of India

- a) Spices
- b) Coffee
- c) Tea
- d) Rubber

16. Which of the following statements are correct ?

1. More hydrogen ion (H⁺) concentration shows the acidic nature of soil, while the concentration of more hydroxyl (OH⁻) ions represents its alkaline nature.

2. Slightly acidic soils are more suitable for plant growth. Maximum nutrients are available to crops when the pH ranges from 6.5 to 7

Select the answer from the below codes

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

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

Soil	Location
A. Alluvial Soil	1. Deccan lava tract
B. Black Soil	2. High lands and plateau tops
C. Red Soil	3. River basin and coastal plain
D. Laterite Soil	4. On the periphery of plateaus

Code:

	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. Put in descending order of area with the following soils in India:

- 1. Red soils
- 2. Black soils
- 3. Laterite soils
- 4. Alluvial soils

Select the answer from below codes

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

19. Consider the following statements regarding the Peaty soil and the Forest soil?

- 1. Peaty soil is rich in humus content than forest soil.
- 2. Peaty soil is black heavy and acidic
- 3. Both forest and peaty soil are deficient in Potash and Phosphate.

Which of the above statements is/are correct ?

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

20. Consider the following features of the Red and Yellow soil found in India:

- 1. It develops on crystalline igneous rocks.
- 2. Reddish color due to high iron in rocks and yellow when it occurs in a hydrated form.
- 3. It are generally poor in nitrogen, phosphorous and humus.

Which of the above statements are correct?

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

21. Consider the following statements regarding different types of soil:

- 1. Valleys of Godavari and Krishna are dominated by Alluvial and Montane soil.
- 2. Arid soils have high infiltration (absorption) capacity.
- 3. Alluvial soils found in Duars have coarse particles.

Which of the above is/are correct?

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

22. Solifluction is a geomorphic process involving a special type Of soil flow that is noticed in

- (a) desert regions
- (b) karst regions
- (c) permafrost regions
- (d) savanna regions

23. Match the following:

Local Storm	Feature
A. Mango Shower	1. Evening thunderstorms
B. Blossom Shower	2. Helps in the early ripening of mangoes
C. Nor Westers	3. Hot and dry winds
D. Loo	4. Helps in coffee farming

Select the correct answer using the code given below:

A B C D

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

24. Which of the following factors determine the climate of India?

- 1. Latitude
- 2. Altitude
- 3. Distribution of land and water
- 4. Distance from the sea
- 5. Upper air circulation

Select the correct answer using the code given below:

- (a) 1, 2, 3 and 5 only
- (b) 2, 3, 4 and 5 only
- (c) 2, 3 and 4 only
- (d) 1, 2, 3, 4 and 5

25. Consider the following statements about the Inter Tropical Convergence Zone (ITCZ):

- 1. The Inter Tropical Convergence Zone (ITCZ) is a low-pressure zone.
- 2. It is located at the Tropics where the trade winds converge.
- 3. It attracts inflow of winds from different directions.
- 4. In winters, the ITCZ moves southward.

Which of the statements given above are correct?

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

26. Consider the following statements about solar radiation:

- 1. Aphelion is the point when the Earth is the farthest from the Sun.
- 2. Annual insolation received by the Earth in January is more than the amount received in July.
- 3. At Perihelion Northern Hemisphere is in summer.
- 4. Planets move more slowly at aphelion than they do at perihelion.

Which of the statements given above are correct?

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

27. Which of the following are the different forms of precipitation?

- 1. Rainfall
- 2. Snowfall
- 3. Sleet
- 4. Hail

Select the correct answer using the code given below:

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

28. Consider the following statements about the world distribution of rainfall:

- 1. Rainfall goes on increasing from the Equator towards the Poles.
- 2. The coastal areas of the world receive greater amounts of rainfall than the interior of the continents.
- 3. The rainfall is more over the oceans than on the landmasses of the world.

Which of the statements given above is/are correct?

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

29. Consider the following pairs:

- | | |
|----------------|-----------------|
| S.N. Cells | Region |
| 1. Hadley Cell | Mid-latitudes |
| 2. Ferrel Cell | Tropics |
| 3. Polar Cell | Polar latitudes |

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

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

30. Which of the following are the favourable conditions for the formation of the tropical cyclones?

- 1. Absence of the Coriolis force
- 2. A pre-existing weak low-pressure area
- 3. Upper divergence above the sea level system
- 4. Large sea surface with temperature higher than 27° C

Select the correct answer using the code given below:

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

31. Though the proportions of different salts remain constant in all oceans, there are salinity variations. In this context, consider the following statements:

- 1. The highest salinity is found in equatorial lakes and seas.
- 2. Glacial lakes at higher altitudes are saline in nature.
- 3. The salinity of the Caspian Sea is lower than the Black Sea.

Which of the above statements is/are correct?

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

32. Arrange the following in the increasing order of their distance from the sea shore line:

- (a) Continental slope, Mid-Oceanic Ridge, Abyssal plain and Deep-oceanic trenches.
- (b) Continental slope, Deep-oceanic trenches, Mid-Oceanic Ridge and Abyssal plain.
- (c) Continental slope, Deep-oceanic trenches, Abyssal plain and Mid-Oceanic Ridge.
- (d) Abyssal plain, Continental slope, Mid-Oceanic Ridge and Deep-oceanic trenches.

33. Which of the following factors lead to a decrease in salinity in water bodies ?

- 1. Land locked nature.
- 2. Melting of polar ice caps.
- 3. High pressure
- 4. Influx of river water
- 5. Higher solar insolation

Select the correct answer using the code given below:

- a) 1, 2, 4 and 5 only
- b) 1, 2 and 4 only
- c) 2 and 4 only
- d) All of the above

34. Which of the following statements are correct?

- 1. A fjord is a deep, narrow and elongated sea with steep land on three sides.
- 2. The fjords were formed by the giant glacier tongues that, through several ice ages, have shaped the landscape.
- 3. The longest fjord in the world is the Scoresby Sund in Greenland.

Select the correct answer using the code given below:

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

35. The phenomenon of wearing down of relief variations of the surface of the earth through erosion is known as:

- (a) Gradation
- (b) Deposition
- (c) Diastrophism
- (d) Volcanism

36. With reference to the Sea Floor Spreading, consider the following statements:

1. It is a process in which new oceanic crust forms gradually through continuous volcanic eruptions.

2. The force involved in this process is convective current.

Which of the above statements is/are correct?

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

37. Consider the following statements

1. The Satpura Range is a horst in India and is flanked by Narmada Graben in the north and much smaller but parallel Tapi Graben in the south.

2. In India karst topography is present in the Vindhya region and the Himalayas

3. Laccoliths and Batholiths are glacial landforms

Select the answer from the below codes

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

38. Which of the following factors is/are the basis of the classification of Industries?

- (a) Ownership
- (b) Raw materials used by them
- (c) Nature of the manufactured goods
- (d) All of the above

39. Match the following steel plants with their corresponding location

Steel Plant	Location
A. Bhilai Steel Plant	1. Jharkhand
B. Durgapur Steel Plant	2. Odisha
C. Bokaro Steel Plant	3. West Bengal
D. Rourkela Steel Plant	4. Chhattisgarh

Select the answer from the below codes

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

40. Consider the following statements

1. Krem puri is the longest sandstone cave discovered recently

2. it is located in pithoragarh district of Himachal Pradesh

3. The cave is 24,583 metres (24.5 km) in length and is known for its complex cave systems hidden under its undulating hills.

4. This sandstone cave is also India's second longest cave in general category after limestone Krem Liat Prah-Umim-Labit system measuring little over 31 km in Jaintia Hills, Meghalaya...

Identify the incorrect statements

- a) 1 and 2 only
- b) 2 and 4 only
- c) 2 only
- d) 4 only

41. Which of the following matched correctly

- 1. Block Mountains : Himalaya
- 2. Fold Mountains : Vindhya
- 3. Rift valley : Narmada, Damodar
- 4. Ramp valley : Brahmaputra

Select the answer from the below codes

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

42. Which of the following statements are correct about Laterite Soil?

1. Laterite soil develops in Wet tropical Climate or monsoonal condition
2. Laterite is typically a soil of tropical regions which receive heavy seasonal rainfall
3. Laterite soil is most suited for cultivation of tea, coffee, rubber, coconut and cinchona cultivation
4. Laterite soil is formed by leaching leaving only oxides of iron and aluminum

Select the answer from the codes given below

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

43. Black cotton soil of the Deccan region of India is associated with _____ rocks.

- a) Volcanic rocks
- b) Plutonic rocks
- c) Sedimentary rocks
- d) Hypabyssal rocks

44. Consider the following statements regarding soil degradation:

1. It is caused by soil erosion.
2. The degree of soil degradation depends upon the amount of rainfall and wind velocity.

Which of the above statements is/are correct?

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

45. Which one of the following is an exhaustible but renewable natural resource ?

- (a) Solar energy
- (b) Water in usable condition
- (c) Soil
- (d) Landscape in its natural condition

46. Match the following:

Soils

Minerals

- | | |
|-------------|--|
| A. Alluvial | 1. Rich in iron oxide but poor in organic matter |
| B. Black | 2. Lack moisture and humus |
| C. Laterite | 3. Rich in potash but poor in phosphorus |
| D. Arid | 4. Rich in lime and iron |

Select the correct answer using the code given below:

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

47. India is said to experience comparatively milder winters as compared to Central Asia. Which of the following statements could be the reason(s) for this?

1. The continentality of North India.
2. The Himalayas in the north.
3. A vast coastline.

Which of the statements given above is/are correct?

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

48. Which of the following statements are correct about the western cyclonic disturbances during winters?

1. The western cyclonic disturbances enter the Indian sub-continent from the west and the north-west.
2. They originate over the Mediterranean Sea.
3. They are brought into India by the westerly jet stream.
4. A decrease in the prevailing night temperature generally indicates an advance in the arrival of these cyclonic disturbances.

Select the correct answer using the code given below:

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

49. Consider the following statements about the 'Heat Budget of the Earth':

1. In the stratosphere, the temperature increases as we go away from the Earth.
2. In the mesosphere, the temperature increases as we go away from the Earth.
3. The mesosphere assists in radio communications.

Which of the statements given above is/are correct?

- (a) 2 and 3 only
- (b) 1 only
- (c) 1, 2 and 3
- (d) None of the above.

50. Which of the following are the high clouds?

1. Cirrus
2. Cirrostratus
3. Altostratus
4. Cirrocumulus
5. Nimbostratus

Select the correct answer using the code given below:

- (a) 1, 2 and 4 only
- (b) 2, 3 and 5 only
- (c) 1 and 4 only
- (d) 1, 2, 3, 4 and 5

51. Consider the following statements about the Coriolis force:

1. The force exerted by the revolution of the Earth is known as the Coriolis force.
2. It deflects the wind to the right direction in the northern hemisphere and to the left in the southern hemisphere.
3. The Coriolis force is directly proportional to the angle of latitude.
4. The Coriolis force is the maximum at the Poles and is absent at the Equator.

Which of the statements given above are correct?

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

52. Consider the following oceanic features and their characteristics:

1. Continental Shelf: Active volcanoes and strong earthquake.
2. Continental Slope: Canyons and trenches.
3. Deep-Sea Plain: flattest and Smoothest regions.

Which of the above pairs is/are correctly matched?

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

53. With reference to water resource, consider the following statements:

1. Nearly 59% of the water that falls on land returns to the atmosphere through evaporation from over the oceans as well as from other places.
2. The renewable water on the earth is constant.

Which of the above statements is/are correct?

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

54. Consider the following statements about tides:

1. Neap tides occur when the sun, the moon, and the earth are in a straight line.
2. Spring tides occur when the sun and the moon are at right angles to 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

55. Consider the following statements:
1. The richest fishing grounds are located on continental shelves.
2. The temperature of the ocean water varies only vertically.
3. The direction of the ocean currents coincides with the direction of the planetary winds.
4. The North Atlantic Ocean is one of the richest fishing grounds in the world.
Which of the statements given above is/are correct?

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

56. Consider the following statements regarding Earthquake Waves:

- 1. All natural earthquakes take place in the asthenosphere.
- 2. Body waves are faster than Surface waves and arrive first at the Surface hence they are more damaging than surface waves.
- 3. S-Waves propagation reveals that the outer core of the Earth is in liquid form.
- 4. P- Waves propagate longitudinally while S-Waves transversally.

Which of the above statements is/are incorrect?

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

57. Consider the following statements with respect to the types of Volcanoes:

- 1. Shield volcanoes are made up of basalt and of low viscous lava.
- 2. Composite volcanoes erupts cooler and more viscous lavas than the basalt.
- 3. Caldera volcanoes are the most explosive volcanoes of the earth.

Which of the above statements is/are correct?

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

58. Which of the following statements are correct

- 1. The largest Easturine coast in India can be found in West Bengal
- 2. Ria coast an exempld of Submerged upland shoreline can be found in Karnataka

Select the answer from the below codes

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

59. With reference to minerals, consider the following statements:

- 1. Non-metallic minerals are either organic or inorganic in origin.
- 2. There is an inverse relationship between quantity and quality of minerals.
- 3. Immediate replenishment of mineral is not possible.

Which of the above statements is/are correct?

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

60. Which of the following statements are correct ?

- 1. Among the north eastern states Arunachal Pradesh has more area in Montane forest than evergreen forest
- 2. Among all the forest types, Deciduous forest is the most wide spread in India
- 3. The reason for diversified layered vegetation in Montane forest is due to uniform temperature and altitude of the region

Which of these are correct statements?

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

61. Match the following Soil with their Composition

Soil Type	Feature
A. Laterite Soil	1. Dark and black, strongly acidic and saline
B. Arid Soil	2. Deficient in Organic but rich in Iron
C. Peaty Soil	3. Deficient in nitrogen, potash, magnesium and phosphoric acid
D. Red Soil	4. Deficient in humus and nitrogen

Select the answer from the below codes Code:

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

62. Which of the following soil develops because of intense leaching caused due to high rainfall and high temperature?

- (a) Black Soil
- (b) Red and Yellow Soil
- (c) Laterite Soil
- (d) Forest Soil

63. Consider the following statements regarding soil profile and horizons:

- 1. There is a gradual increase of organic matter with increasing depth.
- 2. The level of aeration of the soil decreases from the surface downwards
- 3. There is an increase in the number and variety of parent minerals from the surface downward
- 4. There is no definite trend of either increase or decrease in the content of soil water with depth

Which of the above statements is/are correct?

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

64. With reference to soil and its formation, consider the following statements:

- 1. Soil particles are classified as sand, silt and clay.
- 2. Blowing of sand against exposed rock by wind is called erosion.
- 3. The texture of a soil is determined by the soil particle's shape.

Which of the above statements is/are correct?

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

65. Which of the following pairs are incorrectly matched?

Soil	Location
1. Alluvial	- Middle Ganga plain and the Brahmaputra plain
2. Black	- Andhra Pradesh and some parts of Tamil Nadu
3. Red and Yellow	- Bihar, coastal areas of West Bengal, Odisha and Tamil Nadu
4. Laterite	- Hilly areas of Odisha and Assam
5. Peaty	- Eastern and Southern part of the Deccan Plateau

Select the correct answer using the code given below:

- (a) 1, 3 and 5 only
- (b) 3 and 5 only
- (c) 2, 3 and 4 only
- (d) 1, 2 and 4 only

66. Which of the following states get rainfall from northeast monsoon?

- (a) Tamil Nadu
- (b) Maharashtra
- (c) Delhi
- (d) Madhya Pradesh

67. Which of the following regions have all the three Evergreen, Semi-evergreen and Mangrove forests

- a) Andaman and Nicobar Islands
- b) Rann of Kachch
- c) North East India
- d) Lakshwadeep Islands

68. Consider the following statements:
1. Western Himalayas receive more precipitation in winters than the Eastern Himalayas
 2. Eastern Himalayas are dominated by Tropical evergreen forests whereas Western Himalayas has Alpine as its dominant vegetation.

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

69. Consider the following statements about the inversion of temperature:

1. Over the Equator, the inversion of temperature is normal throughout the year.
2. Dense fog during winters is due to the temperature inversion.
3. Temperature inversion leads to frost damage to the crops in the mountain areas.

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

70. Consider the following pairs:

S.N. Types of Rainfall - Description

1. Convictional Rain - In the equatorial regions and the interior parts of the continents.
2. Orographic Rain - Windward slopes of the mountains.
3. Cyclonic Rain - Develops in the mid and high latitudes beyond the tropics.

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

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

71. Which of the following factors affect the general circulation of the atmosphere?

1. Latitudinal variation of atmospheric heating
2. Emergence of the pressure belts
3. Migration of the belts following the apparent path of the Sun
4. Distribution of the continents and the oceans
5. Rotation of the Earth

Select the correct answer using the code given below:

- (a) 1, 2, 4 and 5 only
- (b) 1, 3 and 4 only
- (c) 1, 2 and 4 only
- (d) 1, 2, 3, 4 and 5

72. With reference to the Spring Tides, consider the following statements:

1. During these tides, the sun and the moon are at right angles.
2. They occur twice a month.

Which of the following statements is/are correct?

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

73. Consider the following statements:

1. The horizontal motion of water in oceanic water bodies is referred to as the ocean currents and waves while the vertical motion refers to tides.
2. Waves are the energy and not the water that moves across the ocean surface.
3. Tides occur due to the gravitational force of the sun, the moon and centrifugal force of the earth.

Which of the statements given above is/are correct?

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

74. Which of the following can be considered as evidence(s) to support the theory of 'Continental Drift'?

1. The shorelines of the continents of Africa and South America have a jig-saw fit.
2. The earliest marine deposits along the coastline of South America and Africa are of the Jurassic age.
3. The glacial Tillite in India resembles the tillite found in Africa, Antarctica and Australia.

Select the correct answer using the code given below:

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

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

- (a) Gulf with narrow fronts and wider rears experience high tides.
- (b) Tidal currents take place when a gulf is connected with the open sea by a narrow channel.
- (c) Tidal bore occurs when a tide enters the narrow and shallow estuary of a river.
- (d) The tidal nature of the mouth of the river Hooghly is of crucial importance to Kolkata as port.

76. Consider the following statements regarding the measurement of Earthquakes:

1. While the Mercalli scale measures the intensity of an earthquake based on its actual impacts, the Richter scale measures the magnitude of energy released during the earthquake.
 2. The Mercalli scale is linear whereas the Richter scale is logarithmic in nature.
- Which of the above statements is/are correct?

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

77. Consider the following statements about anticyclones :

1. Anticyclones are high pressure systems.
2. Air in the centre of the system must be subsiding.
3. Anticyclones are characterized by converging winds.

How many of the above statements is/are correct?

- (a) 1
- (b) 2
- (c) 3
- (d) None

78. Which of the following pairs is/are correctly matched?

Rock	Formation
1. Igneous	A. Solidification from magma and lava
2. Sedimentary	B. Deposition of fragments of rocks by exogenous processes.
3. Metamorphic	C. Recrystallization of existing rocks

Select the correct answer using the code given below:

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

79. What is the correct order of Rock Formation?

1. Sedimentary Rock
2. Metamorphic Rock
3. Igneous Rock
4. Hot Magma

Select the answer from the below codes

- a) 4 – 3 – 1 – 2
- b) 4 – 1 – 3 – 2
- c) 2 – 3 – 1 – 4
- d) 2 – 1 – 3 – 4

80. The weather office predicts "depression" over a certain area. It means
- cloudy skies
 - atmospheric pressure in that area is lower than that in the surrounding areas
 - heavy weather causing a feeling of depression
 - low atmospheric pressure over a large area

81. Match the following:

Regions	Soil Types
A. Malwa Plateau	1. Alluvial
B. Dharwar Plateau	2. Lateritic
C. Punjab Plains	3. Red
D. Western Ghats	4. Regur

Select the answer from the below codes

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

82. Which of the following statements are correct

- Self ploughing is a characteristics of Black soil
- Black soil is black due to presence of Titanferrous Magnetite.
- Red colour of the red soil is due to presence of Ferric Oxide.
- Kankar layer is a characteristics of Peaty Soil

Select the answer from the below codes

- 1, 2 and 3
- 2 and 3 only
- 2, 3 and 4 only
- 1, 2, 3 and 4

83. Consider the following statements with reference to crop seasons in India:

- India has three major cropping seasons called Kharif, Rabi and Zaid.
- Watermelon, Toris, Cucumb er are some example of Zaid Kharif crop.
- The agricultural crop year in India is from July to June.

Which of the above statements is/are correct ?

- 1 and 2 only
- 1 and 3 only
- 2 only
- 1,2 and 3

84. Consider the following statements:

- The concentration of water vapour in the air is more in the Equator, as compared to the Poles.
- Water vapour moderates the atmosphere of the Earth.

Which of the statements given above is/are correct?

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

85. Which of the following forces affect the velocity and direction of the winds?

- Pressure Gradient Force
- Frictional Force
- Coriolis Force
- Gravitational Force

Select the correct answer using the code given below:

- 1, 2 and 4 only
- 2 and 3 only
- 1, 3 and 4 only
- 1, 2, 3 and 4

86. Which of the following is the reason for Tamil Nadu not getting rainfall during South West Monsoon ?

1. It is situated parallel to the Bay of Bengal branch of southwest monsoon
2. It lies in the windward area of the Arabian Sea branch of the south-west monsoon.

Select the answer from the below codes

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

87. In India the most important source of energy is

- a) Petroleum
- b) Coal
- c) Nuclear
- d) Hydro-electricity

88. Consider the following statements:

1. The highest surface water temperatures are recorded at equator since it receives direct sun rays throughout the year.
2. The Red Sea has a higher surface water temperature than adjoining Arabian Sea.

Which of the above statements is/are correct?

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

89. Which of the following ocean currents can be characterized as cold oceanic currents?

1. Labrador
2. North Atlantic drift
3. Gulf stream
4. Kuroshio
5. Oyashio

Select the correct answer using the codes given below:

- a) 1 and 2 only
- b) 1 and 5 only
- c) 1, 3 and 4 only
- d) 3, 4 and 5 only

90. Which one of the following statements about metamorphic rocks is not correct?

- (a) Due to segregation of minerals into wavy bands or platy surfaces, some metamorphic rocks develop foliations.
- (b) Where the foliations develop into broad mineral bands, the metamorphic rock is extremely hard.
- (c) Where the foliations are moderately thin, the metamorphic rock tends to flake apart.
- (d) Rocks that originally were composed of one dominant mineral are often foliated by metamorphism.

91. Knob and Kettle topography is associated with

- (a) Aeolian topography
- (b) Glacial topography
- (c) Desert topography
- (d) Fluvial topography

92. Consider the following statements:

1. Crust is the thickest layer of the earth.
2. The rocks forming the crust of the Earth are rich in lighter minerals like silica and aluminium.

Which of the above statements is/are correct?

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

93. What are the factors that affect Insolation?

1. Distance between Earth and Sun
2. Angle of Ray incidence
3. Temperature of Ocean
4. Duration of Sunshine

Select the answer from the below codes

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

94. Which of the following soil is known as the Regur Soil ?

- (a) Black Soil
- (b) Saline Soil
- (c) Arid Soil
- (d) Laterite Soil

95. Consider the following statements about the cold weather season:

1. The Peninsular region of India does not have any well-defined cold weather season.
2. Winter monsoons do not cause rainfall.

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. Consider the following statements:

1. The transformation of water vapour into water is called evaporation.
2. Condensation is a process by which water is transformed from liquid to gaseous state.

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. Consider the following statements:

1. Tornadoes generally occur in high latitudes.
2. A thunderstorm is a well-grown cumulonimbus cloud producing thunder and lightning.
3. The tornado over the sea is called waterspout.
4. Thunderstorms and tornadoes are of short duration.

Which of the statements given above are correct?

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

98. Which one of the following is the other term used for 'Focus' in relation with an earthquake ?

- (a) Hypocentre
- (b) Epicentre
- (c) Isocentre
- (d) Principal Point

99. Large boulders scattered in and on the surface of glacial deposits or on glacially scoured bedrock are called

- (a) Kames
- (b) Drumlin
- (c) Erratics
- (d) Outwash Plains

100. Consider the following statements:

1. The retreating south-west monsoon season is marked by clear skies and rise in temperature.
2. 'October Heat' is related to the retreating south-west monsoon.
3. The weather in the retreating monsoon is dry in north India, but it is associated with rain in the eastern part of the Peninsula.

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