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

Test Booklet Series

TEST BOOKLET

**Subject : Test 10 – 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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EDUCASIUM IAS Academy – Chennai

1. GLONASS, NAVic, Galileo, BeiDou, QZSS are all terms associated with different types of

- (a) Weather Satellite
- (b) GPS system
- (c) Mars Explorers
- (d) Space stations

2. Identify the correct pairs

- 1. Wheeler Island - Abdul kalam Island
- 2. Neil Island - Swaraj Dweep
- 3. Havelock Island - Shaheed dweep
- 4. Faizabad - Ayodhya

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

3. Which of the following statements are true about Kharif Crops

- 1. Kharif crops are also known as Monsoon or summer crops
- 2. Kharif crops are fed by North East Monsoon
- 3. Paddy, Maize, cotton, Maize, jute are all Kharif crops

Select the answer from the codes given below

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

4. Consider the following statements with respect to 'Eco-Sensitive Zones'

- 1. They are declared under the Wildlife (Protection) Act, 1972
- 2. All kinds of human activities are prohibited in the Eco-Sensitive Zones
- 3. Eco-Sensitive Zones can be notified only near National Parks

Select the correct statements

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

5. Which of the following are uses of Tides

- 1. Navigation especially big ships harboring ports and Fishing.
- 2. Tides de-silt harbor and remove pollution from estuaries
- 3. Tides are unpredictable but can be used to generate electricity
- 4. Chennai port and Mumbai port are tidal ports

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

6. Which lake has now made it to the Limca Book of Records for having India's largest floating island?

- a) Loktak lake
- b) Vembanad lake
- c) Pangong Tso lake
- d) Hebbagodi lake

7. 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

8. Consider the following statement relating to Sea Salinity:

- 1. The ocean salinity depends on evaporation and precipitation
- 2. Any change in temperature or density influences the salinity
- 3. Major source of sea salinity is terrestrial discharge of rivers

Which of these are correct statements?

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

9. The acidification of oceans is increasing. Why is this phenomenon a cause of concern?

1. The growth and survival of calcareous phytoplankton will be adversely affected.
2. The growth and survival of coral reefs will be adversely affected.
3. The survival of some animals that have phytoplanktonic larvae will be adversely affected.
4. The cloud seeding and formation of clouds will be adversely affected.

Which of the statements given above is /are correct?

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

10. You can see tropical evergreen forest in which of the following places

1. Western Ghats (Windward side)
2. Western Ghats (Leeward side)
3. Coastal Tamilnadu and Andaman
4. North Eastern States

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

11. 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

12. Which type of climate prevail in the long corridor (*Leeward side*) of the Western Ghats and the Nilgiri Hills?

- a) Tropical wet and dry climate
- b) Tropical wet and dry with winter rain
- c) Tropical semi-arid steppe
- d) Subtropical monsoon rainforest

13. There are three important gold fields in the country

1. Kolar Gold Fields (Kolar)
2. Hutti Gold Field (Raichur)
3. Ramgiri Gold Field (Anantpur)

These Gold fields are spread across

- a) Karnataka and Andhra Pradesh
- b) Karnataka
- c) Karnataka and Rajasthan
- d) Karnataka and Odisha

14. Match List I and List II and select the correct answer using the below codes

<i>Climatic Condition</i>	<i>Reason</i>
A. Sutlej and Punjab region receive some rainfall in winter	1. Altitude
B. Rainfall decreases from West Bengal to Punjab	2. Western depression
C. Snow cover in Himalayas	3. Latitude
D. Chennai is warmer than Punjab	4. Distance from sea

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

15. Which of the following statements are true

1. Port commanding the largest hinterland in India is Mumbai Port
2. Deepest land locked and protected port is located in West 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

16. Singhbhum in Odisha and Khetri in Rajasthan are famous for

- a) Gold
- b) Copper
- c) Aluminium
- d) Tungsten

17. Match the following types of climate with respective regions:

- A. Monsoon type with dry summer
1. Interior Peninsula
- B. Monsoon type with dry winter
2. Indian Plain
- C. Monsoon type with short dry season
3. S. E. Coast
- D. Semi-Arid Steppe
4. Western Coast

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

18. Consider the following statement about Satellites in India

- 1. Satellite Construction centre is located in *Peenya*
- 2. Sriharikota is the only satellite launch station in India

Which of the above statements is/are correct?

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

19. Which of the following is correct about structure of Atmosphere

- 1. Meteorites burn due to presence of chemical processes in Mesosphere
- 2. The layer free from clouds and ideal for flying aeroplanes is Ionosphere
- 3. Presence of Ozone can be measured in Stratosphere
- 4. All the weather phenomena like rainfall, fog and hailstorm occur in Stratosphere

Select the answer from the codes given below

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

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

Forest	Location
A. Topical Evergreen	1. Siwalik
B. Monsoon	2. West Bengal
C. Temperate	3. Shillong
D. Mangrove	4. Nilgris

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

21. Which one of the following is the most possible solution for planning improvement of a metropolitan city in India?

- a) Constructing high rise building and sky scrapers
- b) Dispersing the factories & industries to the neighbouring but independent location.
- c) Building up suburbs and satellite towns around the main city
- d) Preventing immigration of people into the metropolitan city

22. Consider the following statements:

- 1. India does not have any deposits of Thorium.
- 2. Kerala's monazite sands contain Uranium.

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 places:

- 1. Shimla
- 2. Gangtok
- 3. Mumbai
- 4. Delhi

Arrange these places in decreasing order of their atmospheric pressure on their ground surface using the codes given below:

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

24. There are four Ship related production facility in India. Match the Shipyard with the location

Name of the Shipyard		Location	
A. Hindustan Shipyard Limited		1. Kolkata	
B. Garden Reach Shipbuilders		2. Vasco-da- Gama	
C. Goa Shipyard Limited		3. Mumbai	
D. Mazgaon Dock Limited		4. Visakhapatnam	

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

25. Which of the following statement is true about South West Monsoon in India

1. The maximum rainfall of this season is received in the north-eastern part of the country, specifically Meghalaya
2. Rainfall in the Ganga valley decreases from the east to the west.

Select the answer from the codes given below

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

26. Diamond deposits occur in three types of geological settings such as kimberlite pipes, conglomerate beds and alluvial gravels. The main diamond bearing areas in India is

1. Panna belt
2. Munimadugu-Banganapalle
3. Wajrakarur Kimberlite pipe

The above diamond deposits are spread across

- a) Maharashtra and Karnataka
- b) Madhya Pradesh and Andhra Pradesh
- c) Tamilnadu and Himachal Pradesh
- d) Karnataka and Goa

27. 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

28. Consider the following statements regarding *Vantangiya*s

- 1) They were brought from Bangladesh to plant trees for afforestation during colonial rule.
- 2) After seven decades they are now officially Indians with electoral rights
- 3) They live in forested areas without proper access to basic education and proper nutrition
- 4) They are concentrated in the state of Bihar.

Identify the incorrect statements

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

29. 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

30. 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

31. Where is the old and over 2 km-long 'Pamban Railway Bridge', which attracts tourists from all over the country?

- a) Nilgiris
- b) Krishna delta
- c) Palk straits
- d) Malabar coast

32. 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

33. 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

34. 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

35. Which of the following regions were matched correctly with the Produce - Region well-known for the production of

1. Kinnaur (Himachal) : Areca nut
2. Mewat (Haryana) : Mango
3. Coromandel (TN-Andhra) : Soya bean

Which of the above pairs is/are correctly matched?

- a) 1 and 2 only
- b) 3 only
- c) 1, 2 and 3
- d) None

36. The weather office predicts "depression" over a certain area. It means

- a) cloudy skies
- b) atmospheric pressure in that area is lower than that in the surrounding areas
- c) heavy weather causing a feeling of depression
- d) low atmospheric pressure over a large area

37. 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

38. Which of the following factors are responsible for *Ocean Currents*

1. Wind
2. Solar Energy
3. Gravity
4. Coriolis Force

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

39. Consider the following statements

1. Duststorms are almost always preceded and caused by spell of intense heat
2. Thunderstorms occur when atmosphere has moisture and duststorms take place when moisture is not present
3. Such events take place due to local instability arising out of deviation from normal temperature difference between upper and lower atmosphere
4. In recent rainstorms and duststorms cases in Uttar Pradesh and Rajasthan, moist easterly winds from Bay of Bengal reached up to Himachal Pradesh colluded with dry winds from north-westerly direction

Identify the correct statements

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

40. Among the following places, which one receives comparatively lowest average monsoon rainfall from June to September?

- a) Eastern Uttar Pradesh
- b) Southern West Bengal
- c) Punjab
- d) Western Uttar Pradesh

41. Tides are based on the position of Sun, Moon and Earth. In which of the following phenomena the Tides are unusually high as well as low

1. Perigee
2. Apogee
3. Perihelion
4. Aphelion

Select the answer from the codes given below

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) There will be no change on tide range

42. 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

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. Which one of the following cities never experiences vertical rays of the sun during noon?

- a) Chennai
- b) Mangalore
- c) Mumbai
- d) New Delhi

45. Which one of the following groups of animals belongs to the category of endangered species?

- a) Great Indian Bustard, Musk Deer, Red Panda and Asiatic Wild Ass
- b) Kashmir Stag, Cheetal, Blue Bull and Great Indian Bustard
- c) Snow Leopard, Swamp Deer, Rhesus Monkey and Saras (Crane)
- d) Lion-tailed Macaque, Blue Bull, Hanuman Langur and Cheetal

46. On the planet earth, most of the freshwater exists as ice caps and glaciers. Out of the remaining freshwater, the largest proportion

- a) is found in atmosphere as moisture and clouds
- b) is found in freshwater lakes and rivers
- c) exists as groundwater
- d) exists as soil moisture

47. India has one land-locked and protected port which is at

- a) Paradeep
- b) Chennai
- c) Kolkata
- d) Visakhapatnam

48. Which of the following scales are used to measure earthquakes?

- 1. Beaufort Scale
- 2. Hygrometer
- 3. Richter Scale
- 4. Mercalli Sacle

Select the answer from the codes given below

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

49. India has eight coastal states but more than half the sea salt is made along the Gujarat coast because

- a) Gandhiji started the salt movement in Gujarat
- b) Low rainfall and relative humidity are ideal for the production of salt through evaporation of sea water
- c) Kandla port exports salt
- d) The salinity of sea water is very high near the Gujarat coast

50. The alpine vegetation in the Western Himalayas is found only up to a height of 3000 metres while in the Eastern Himalayas it is found up to a height of 4000 metres. The reason for this variation in the same mountain range is that

- a) Eastern Himalayas are higher than Western Himalayas
- b) Eastern Himalayas are nearer to the equator and sea coast than the Western Himalayas
- c) Eastern Himalayas get more monsoon rainfall than the Western Himalayas
- d) Eastern Himalayan rocks are more fertile than the Western Himalayan rocks

51. The horizontal motion in water refers to *ocean currents* and *waves*. The vertical motion of water refers to *tide*. Which of the following statements are correct ?

- 1. Tides are caused due to movement of energy in water
- 2. Ocean currents are due to attraction of sun and moon
- 3. Waves are Due to alternate heating and cooling

Select the answer from the below codes

- a) 1 and 2 only correct
- b) 2 and 3 only correct
- c) All of the above
- d) None of the above

52. Which among the following are correct regarding the purpose of Navigation with Indian Constellation

- 1. Terrestrial, aerial and marine navigation
- 2. Disaster management
- 3. Precise timing
- 4. Terrestrial navigation aid for hikers and traveller
- 5. Vehicle tracking and fleet management
- 6. Integration with mobile phones

- a) 1,2,3,4
- b) 1,2,5,6
- c) 1,2,3,5
- d) 1,2,3,4,5,6

53. 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

54. 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

55. Match the following:

Climatic Conditions

Reasons

- | | |
|--|------------------------|
| A. Madras is warmer than Calcutta | 1. North-East Monsoon |
| B. Snowfall in Himalayas | 2. Altitude |
| C. Rainfall decreases from West Bengal to Punjab | 3. Western depressions |
| D. Sutlej-Ganga Plain gets some rain in winter | 4. Distance from sea |
| | 5. Latitude |

Select the answer from the below codes

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

56. New tectonic microplate discovered off the coast of Ecuador recently

- a) Nazca plate
- b) Cocos plate
- c) Malpelo Plate
- d) Inca plate

57. Consider the following :

1. Photosynthesis
2. Respiration.
3. Decay of organic matter
4. Volcanic action.

Which of the above add carbon dioxide to the carbon cycle on earth ?

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

58. Which of the following is not a factor that affect climate of a place?

1. Latitude
2. Longitude
3. Distance from the sea
4. Altitude

Select the answer from the codes given below

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

59. India has an continuous growing season because

- a) it experiences the monsoonal type of climate
- b) the distribution of rainfall is uneven
- c) temperatures throughout the year are favourable for growth of plants
- d) its soil is very fertile the greater part being alluvial

60. 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 |

61. Consider the following statements:

1. In India, the maximum part of electric energy is generated by the hydroelectric plants.
2. In India, the maximum part of electric energy is generated by the thermal power plants.
3. Neyveli Lignite Corporation Ltd. is located in Tamil Nadu.

Which of these statements is/are correct?

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

62. Arrange the following oil refineries of India from west to east:

1. Koyali
2. Bongaigaon
3. Mathura
4. Haldia

Select the correct answer using the code given below:

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

63. Which one of the following rivers thrice forks into two streams and reunites a few miles farther on, thus forming the islands of Srirangapatnam, Sivasamudram and Srirangam?

- a) Cauvery
- b) Tungabhadra
- c) Krishna
- d) Godavari

64. 'International Conference on Water for Sustainable Development' was held in Tajikistan. Consider the following statements in this regard:

1. The United Nations General Assembly has proclaimed the decade 2020-2030 as the International Decade for Action 'Water for Sustainable Development' (2018-2028)
2. Sustainable development and integrated water resources management has been kept under Sustainable Development Goal, SDG-6
3. World Water Day is observed on 22 March every year.

Which of the given statement(s) is/are correct?

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

65. 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

66. Consider the following areas

1. Bandipur
2. Bhitarkanika
3. Manas
4. Sunderbans

Which of the above are Tiger Reserves?

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

67. Consider the following statements regarding doklam plateau:

1. Doklam is an area with a plateau and a valley, lying between Tibet's Chumbi Valley to the north, Bhutan's Ha Valley to the east and India's Sikkim state to the west.
2. It has been depicted as part of Bhutan in the Bhutanese maps since 1961, but it is also claimed by China.

Which of the above statements is/are correct?

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

68. With respect to the chemical composition of earth's layers consider the following statements:

1. The continental crust is thicker in the areas of major mountain systems.
2. Oceanic crust is thinner as compared to the continental crust.
3. The lower mantle extends beyond the asthenosphere. It is in solid state.
4. Core has the heaviest mineral materials of highest density.
5. Gutenberg Discontinuity – lies between the mantle and the outer core.

Which of the above statements are correct?

- a) 1, 2, 3, 4
- b) 1, 3, 4, 5
- c) 2, 3, 4, 5
- d) All the above

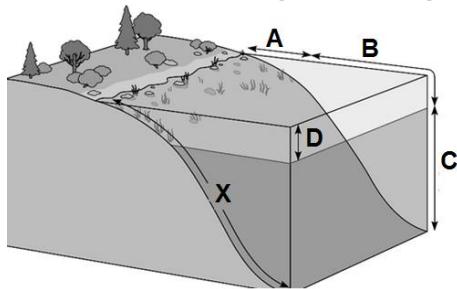
69. Consider the following terms

- Frost Wedging
- Thermal Expansion
- Exfoliation
- Spalling
- Sheeting

Above mentioned are terms associated with

- a) Erosion
- b) Volcanic Eruption
- c) Mass Wasting
- d) Weathering

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



- | | |
|------|-----------------------------|
| Zone | Zone Name |
| A. | 1. Limnetic Zone |
| B. | 2. Photic Zone |
| C. | 3. Littoral Zone |
| D. | 4. Profundal (Aphotic) zone |

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 |

71. The rhythmic rise and fall of ocean water twice in a day is called a tide. Which of the following statement is true?

1. The strong gravitational pull exerted by the sun and the moon on the earth's surface along with earth centrifugal force causes the tides.
2. The gravitational attraction of the sun is twice as powerful as that of the moon.

Select the answer from the codes given below

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

72. The leading states in the production of cotton in India are:

- a) Maharashtra and Gujarat
- b) Gujarat and Andhra Pradesh
- c) Maharashtra and Punjab
- d) Gujarat and Punjab

73. Identify the Vegetation zone with given remarks

	Mean Annual Temperature	Remarks
A	Above 24°C	No Frost
B	17°C to 24°C	Rare Frost
C	7°C to 17°C	Frost with some snow
D	Below 7°C	Snow

1. Sub Tropical
2. Alpine
3. Tropical
4. Temperate

Select the answer from the below codes

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

74. Consider following regarding diastrophism:

1. Diastrophism includes orogeny, epeirogeny, earthquake, plate tectonics and seafloor spreading.
2. Orogenic processes involves mountain building through severe folding and affecting long and narrow belts of the earth's crust.
3. Epeirogenic processes involving uplift or warping of large parts of the earth's crust.
4. Epeirogeny is a mountain building process whereas Orogeny is continental building process.

Which of the above statements are correct?

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

75. Consider the following statements with respect to 'Islands Development Agency (IDA)'

1. It is chaired by the Prime Minister of India
2. It aims to develop a military and naval base at the Andaman and Lakshadweep
3. Islands It was set up in 2017

Select the correct statements

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

76. Indian monsoon is marked by seasonal shift caused by:

- a) differential heating of land and sea
- b) cold winds of Central Asia
- c) great uniformity of temperature
- d) None of these

77. Among the following cities, which one is at the highest altitude above mean sea level?

- a) Bangalore
- b) Delhi
- c) Jodhpur
- d) Nagpur

78. The plateau rich in minerals in India is

- a) Malwa Plateau
- b) Chhotanagpur Plateau
- c) Deccan Plateau
- d) Mysuru Plateau

79. The annual range of temperature in the interior of the continents is high as compared to coastal areas. What is / are the reason / reasons?

1. Thermal difference between land and water
2. Variation in altitude between continents and oceans
3. Presence of strong winds in the interior
4. Heavy rains in the interior as compared to coasts

Select the correct answer using the codes given below.

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

80. The lower Gangetic plain is characterized by humid climate with high temperature throughout the year. Which one among the following pairs of crops is most suitable for this region?

- a) Paddy and cotton
- b) Wheat and Jute
- c) Paddy and Jute
- d) Wheat and cotton

81. The Premonsoon mango showers occur predominantly in

- a) West Bengal and Assam
- b) Deccan Plateau
- c) Gujarat and Maharashtra
- d) Haryana and Punjab

82. For short-term climatic predictions, which one of the following events, detected in the last decade, is associated with occasional weak monsoon rains in the Indian subcontinent?

- a) La Nina
- b) Movement of jet streams
- c) El Nino and southern oscillations
- d) Green-house effect on global level

83. 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

84. Match the following:

- | | |
|-------------------|--------------------|
| A. Coffee | 1. Anaimalai Hills |
| B. Alphonso Mango | 2. Kozhikode |
| C. Tea | 3. Nilgiri Hills |
| D. Cinchona | 4. Ratnagiri |
- | | | | | |
|----|---|---|---|---|
| | A | B | C | D |
| a) | 2 | 3 | 4 | 1 |
| b) | 1 | 2 | 3 | 4 |
| c) | 4 | 1 | 2 | 3 |
| d) | 2 | 4 | 3 | 1 |

85. In India the most important source of energy is

- Petroleum
- Coal
- Nuclear
- Hydro-electricity

86. Indian climate can be precisely identified as

- Humid Subtropical
- Tropical Savanna
- Humid Continental
- Tropical Monsoon type

87. Consider the following statements:

- Tamil Nadu is the only area which receives about half of its rainfall from north-east monsoon winds.
- Kerala receives very heavy rainfall from the south-west monsoon winds.
- In India, the south-west monsoon is stronger than the north-east monsoon.

Which of these are correct statements?

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

88. Wet Temperate, Alpine, Pine and temperate grasslands can be seen in which of the following forest types

- Moist Deciduous Forest
- Tropical Evergreen Forest
- Montane Forest
- Dry Deciduous Forest

89. The north western India receives substantial rainfall during winter months because of

- South West monsoons
- Retreating monsoons
- North east monsoons
- Westerly disturbance

90. K.S. Valdiya committee, sometimes seen in the news, is associated with which of the following?

- Report recommending development defence bases in Indian Islands
- Report providing evidence of the course of the ancient river Saraswati
- Report examining the truth behind Ram setu
- Report recommending renaming of Historical Indian cities

91. Consider the following statements

- Dormant volcanoes are the ones that have not erupted at all in historic times, but retain features of volcanoes
- Active volcanoes are ones which erupt frequently and erupted in recent times.
- All volcanoes pass through active, dormant, and extinct stages
- India has no dormant volcanoes but one active volcano in Barren Island.

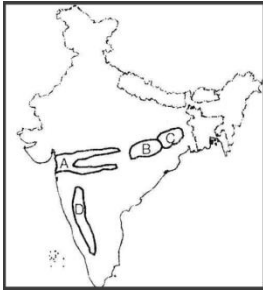
Select the answer from the below codes

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

92. The phrase Madden-Julian Oscillation (MJO) is associated with

- Space Research
- Physics Experiment
- Weather fluctuation
- Calendar change due to earth orbital movement

93. Consider the map given below:



The place marked A, B, C and D in the map are respectively:

- a) Rift valley region, Chhattisgarh plain, Rain shadow region and Chhota Nagpur
- b) Chhattisgarh plain, Chhota Nagpur plateau, Rift valley region, and Rain shadow region
- c) Rift valley region, Chhattisgarh plain, Chhota Nagpur plateau and Rain shadow region
- d) Chhattisgarh plain, Rain shadow region, Chhota Nagpur plateau and Rift valley region

94. Largest coal reserves in India are found at

- a) Madhya Pradesh
- b) Orissa
- c) Chattisgarh
- d) Jharkhand

95. India Meteorological Department (IMD) has developed new technology called 'Impact Based Forecasting Approach' to

- a) assess the Impact of cyclone before its landfall
- b) assess the impact of rainfall before season
- c) assess rise of water level in rivers and reservoirs by rain
- d) assess the rise in sea level due to global warming

96. Gurupriya bridge which connects 151 villages to mainland in odisha from isolation of over 50 years is on which river

- a) Rushikulya
- b) Brahmani
- c) Sileru
- d) Subarnarekha

97. 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

98. 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

99. 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

100. 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