

OFFICERS IAS ACADEMY

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Serial No. 1701211

TESTBOOKLET

Test Booklet Series

GENERAL STUDIES

Test Series 6 - Geography



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, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOK SERIES **A, B, C, or D** AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE ANSWER SHEET,
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 items** (questions). Each item is printed in **English**. Each item Comprises four responses (answers) You will select the response which you want to make 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** 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. Sooner than 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 instruction 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. Sheet for rough work are appended in the Test Booklet at the end.

10. Penalty for Wrong answers

THERE WILL BE PENALTY FOR WRONG ANSWER 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 (0.66)** of 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. Consider the following statements:

1.The perihelion is the point in the orbit of a celestial body where it is nearest to the sun.

2.The variation in solar output has great effect on daily weather changes.

Which of the above statements is/are correct?

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

2. Consider the following statements about Corona:

1. Corona is the outermost zone of sun's atmosphere which is very hot.

2. The high temperature of the sun's Corona gives it unusual spectral features.

Which of the above statements is/are correct?

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

3. Consider the following necessary conditions for orographic rainfall:

1. The mountain barrier must be parallel to the wind direction, so

that the air is obstructed and rainfall occurs.

2. The inland mountains should be of moderate height because air after covering long distances loses much of its moisture content.

Which of the above statements is/are correct?

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

4. Consider the following with respect to jet streams:

1.Jet streams are important for heat balancing mechanism as it will transfer heat north wards and south wards.

2. It also helps global pollutants.

Which of the above statements is/are correct?

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

5. Consider the following with respect to air mass:

1. Atmospheric conditions should not be stable for considerable long period of time.

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2. Air mass should not have undulating or heterogenous earth surfaces.

Which of the above statements is/are correct?

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

6. Consider the following statements:

- 1. Convectional rainfall occurs daily in after noon in the equatorial regions.
- 2. Convectional rainfall occurs through thick, dark and extensive cumulo-nimbus clouds.

Which of the above statements is/are correct?

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

7. With respect to the structure of atmosphere, which of the following statements are correct:

- 1. Troposphere is of at most significant for all the biological activity.
- 2. Ozone depletion in stratosphere is caused mainly by chlorofluorocarbons and halons.

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

8. Consider the following statements with respect to variability of insolation:

- 1. The rotation of the earth on its axis.
- 2. The configuration of atmosphere.

Which of the above statements is/are the reason of the variability in insolation?

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

9. Consider the following statements:

- 1. Coriolis force is caused by rotational movement of the earth.
- 2. Coriolis force becomes effective on any object which is in motion.

Which of the above statements is/are correct?

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

10. With respect to the impact of local winds, consider the following statements:

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1. Local winds disturb tourism and cause damage to livelihood.
2. Norwester is the cold, wet and gusty wind in West Bengal.

Which of the above statements is/are correct?

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

11. Consider the following statements:

1. Convergence of contrasting airmasses with different temperature result in frontal formation.
2. If an air mass is fully lifted above land surface, it is called occluded front.

Which of the above statements is/are correct?

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

12. Consider the following statements:

1. Large sea surface with temperature higher than **27° C**,
2. Presence of the Coriolis force enough to create a cyclonic vortex,

3. Small variations in the vertical wind speed,
4. A pre-existing weak low-pressure area or low-level-cyclonic circulation,

Which of the above are the favourable condition for tropical cyclone formation?

- a. 1 and 2
- b. 2 and 3
- c. Both 1 and 3
- d. All the above

13. Consider the following statements:

1. Nimbus clouds are generally associated with rainfall.
2. Cirrus clouds are thick and formed at high altitude.

Which of the above statements is/are correct?

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

14. Consider the following statements with respect to tornadoes:

1. It generally occurs in lower and middle latitudes.
2. Sometimes spiralling winds descends like a truck of an

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elephant with great force, very low pressure at the center causing massive destruction.

Which of the above statements is/are correct?

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

15. Consider the following statements with respect to pressure gradient:

- 1. The rate of change of pressure with respect to distance is called pressure gradient.
- 2. Pressure gradient is strong where isobars are close to each other.

Which of the above statements is/are correct?

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

16. Consider the following statements about temperature inversion:

- 1. Long nights, so that the outgoing radiation is greater than the incoming radiation.
- 2. Clear skies, which allow unobstructed escape of radiation.

Which of the above are the ideal condition for temperature inversion?

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

17. Consider the following statements:

- 1. India gets majority of the rainfall from South west monsoon.
- 2. In India, during Summer season we have a local wind called 'Loo'

Which of the above statements is/are correct?

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

18. Consider the following statements:

- 1. Red colour of the rising and setting sun and the blue colour of the sky are the results of scattering of light within the atmosphere.
- 2. Maximum insolation is received over the sub tropical desert.

Which of the above statements is/are correct?

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

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19. Consider the following statements:

1. Northward shifting of the Westerly Jet (north of himalayas)
2. Northward shifting of the ITCZ.
3. S-E trade winds from S. hemisphere cross the equator and turn right due to coriolis force.
4. Latitudinal Extent

Which of the above affect Indian climate?

- a. 1 and 2
- b. 2 and 3
- c. Both 1 and 4
- d. All of these

20. Consider the following statements:

1. Relative humidity is lesser over ocean and more over continent.
2. Absolute humidity differs from place to place on the surface of the earth.

Which of the above statements is/are correct?

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

21. If you see jet planes flying in the sky, which layer of atmosphere it is in?

- a. Troposphere

b. Stratosphere

c. Ionosphere

d. Thermosphere

22. The portion of incident radiation

reflected back from a surface of a body is called as

- a. Terrestrial radiation
- b. Albedo
- c. Refraction coefficient
- d. Reflection

23. The lines joining places having equal

temperature are called as

- a. Isotones
- b. Isobars
- c. Isotherms
- d. Isotopes

24. The lights in the sky over the polar

areas caused by mixing of enormous amount of atomic particles released by solar flares and reaching the earths solar magnetic zone are called:

- a. Faculae
- b. Solar wind
- c. Sun spots
- d. Auroral lights

25. The sailors in the olden days often

found themselves becalmed here. It is a zone of convergence known as

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- a. Horse latitude
- b. Hadley cell
- c. Doldrums
- d. Trade winds

- a. Cherry blossom
- b. Kal baisakhi
- c. Loo
- d. Burst of monsoon

26. The horizontal movement of air from high pressure to low pressure in limited area is known as

- a. Planetary winds
- b. Seasonal winds
- c. Localwinds
- d. Permanent winds

27. Which of the following statements regarding the Westerlies are correct?

1. The westerlies are the winds blowing from the **sub-tropical high pressure belts** towards the **sub polar low pressure belts**.
2. They blow from **southwest to north-east** in the northern hemisphere and **north-west to south-east** in the southern hemisphere.

Choose the correct answer:

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. None of the above

28. The rain during hot and dry summer seasons in Karnataka is called

29. The frozen rain drops and re-frozen melted snow water is called as

- a. Hail storms
- b. Sleet
- c. Drizzle
- d. Snowfall

30. The proces of destruction of fronts is called as

- a. Frontogenesis
- b. Cold front occlusion
- c. Frontolysis
- d. Warm front occlusion

31. In the context of insolation, which of the following factors influence the amount of insolation received:

1. Rotation of the earth on its axis
2. The angle of incidence of the sun's rays
3. Duration of the day
4. Transparency of the atmosphere

Choose the correct answer:

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

d. All the above

32. Which of the term best describes the characteristics of 'Orographic rainfall'?
- Convective and cyclonic mechanisms also help in the process of orographic rainfall.
 - There is maximum rainfall near the foothills.
 - During the rainfall, the leeward slopes receive maximum rainfall.
 - In Rajasthan, the Aravalli is an obstructing barrier to the highly moist air coming from Arabian Sea.

33. With respect to equatorial pressure belts, Which statement is correct?
- This belt is characterized by **extremely low pressure** with **calm conditions**.
 - This is because of the **absence of Surface winds** since winds approaching this belt begin to rise near its margin. Thus, **only vertical currents are found**.
 - As the larger part of the low pressure belt passes along the oceans, the winds obtain huge amount of moisture.

Choose the correct option:

- 1 only
- 2 only
- 3 only

34. Which of the following is correct ?
- Mountain and valley breezes are local as well as diurnal.
 - In mountainous regions, during the night, the slopes get heated up and air moves upslope.
 - During the day, the slopes get cooled and the dense air descends into the valley as the mountain wind.
 - Mountain breezes cause inversion of temperature in the mountains.

35. Temperate cyclone is:
- Associated with a particular season.
 - A fast cyclone with the speed of 200-300 km/hr.
 - More frequent in low latitude.
 - Mainly originated due to convergence of two contrasting air masses.

36. With respect to the mist is/are correct:
- The difference between the mist and fog is that mist contains more moisture than fog.
 - In mist each nucleus contains a thicker layer of moisture.

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- c) Mists are frequent over mountains as the rising warm air up the slopes meets a cold surface.
- d) All the above

37. Regarding world distribution of rainfall, which statement is **not correct**:

- a. Proceeding from the equator towards the poles, rainfall goes on decreasing steadily.
- b. Rainfall is more over the oceans than on the landmasses of the world.
- c. Coastal areas of the world receive less rainfall than the interior.
- d. Rainfall decreases towards the leeward side.

38. Which of the following were given as reasons for continental drift by Wegner?

- 1. Gravity of the earth,
- 2. buoyancy of the seas
- 3. the tidal currents

Choose the correct option:

- a. 1 and 2
- b. 1 and 3
- c. 2 and 3
- d. All the above

39. Which of the following statements regarding the fold mountains are correct?

- 1. Fold mountains belong to the group of youngest mountains of the earth.
- 2. The presence of fossils suggest that the sedimentary rocks of these folded mountains were formed after accumulation and consolidation of silts and sediments in a marine environment.

Choose the correct answer:

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. None of these

40. Which of the following are glacial landforms?

- 1. Cirque/Corrie
- 2. Arete
- 3. Horn

Choose the correct option:

- a. 1 and 2
- b. 2 and 3
- c. 1 and 3
- d. All the above

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41. The wind blowing parallel to the isobars and at right angle to the pressure gradient is called as:
- Gradient wind
 - Planetary wind
 - Geostrophic wind
 - Jetstream
42. Warm and dry local winds blowing in the north western USA are known as:
- Foehn
 - Mistral
 - Harmattan
 - Chinook
43. The unusual rise in sea level caused by very low atmospheric pressure and the stress of strong gusty winds associated with tropical cyclones are called as:
- Halo
 - Kata front
 - Storm surge
 - Cold front
44. Which of the regions get affected by tropical cyclones more often:
- Delta regions of West Bengal
 - Coastal areas of Andhra Pradesh
 - Odisha.
- Choose the correct option:
- All the above
 - 1 and 2
 - 2 and 3
 - 1 and 3
45. The higher concentration of dust particles is found in:
- Equatorial region
 - Tropical region
 - Subtropical region
 - Polar region
46. When Consider the following statements regarding thunderstorms:
- They are of **short duration**, occurring over a **small area** but are **violent**.
 - Thunderstorms **mostly occur on ground** where the temperature is high.
- Choose the correct answer:
- 1 only
 - 2 only
 - Both 1 and 2
 - None of these
47. The visibility of the region becomes remarkably low because of snow and ice crystals. The arrival of such winds causes sudden drop in temperature to suffering level. The wind is violent stormy cold in North and South polar regions, Siberia, Canada and USA which is:

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- a. Burran
- b. Yamo
- c. Pampero
- d. Blizzard

48. Radio waves transmitted from the earth are reflected back to the earth by:

- a. Ionosphere
- b. Mesosphere
- c. Satellites
- d. Thermosphere

49. Assertion: when a pot of water is kept boiling, the temperature remains at 100 °C until the last drop evaporates

Reason: All the heat being added to the liquid is absorbed as latent heat of vaporization and carried away by the escaping vapour molecules.

Choose the correct option:

- a. Both A and R are true but R is not the correct explanation
- b. Both A and R are true but R is the correct explanation
- c. A is true but R is false
- d. A is false

50. The region where it has same proportion and varying content is called as:

- a. Homosphere
- b. Heterosphere

- c. Isosphere
- d. None of the above

51. With reference to the ozone layer depletion, what are the impacts of it:

- 1. Global warming
- 2. Melting of glaciers
- 3. Urban heat island
- 4. Skin disease

Which of these are correct:

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

52. Which of the following factors control temperature distribution?

- 1. Altitude of the place
- 2. Distance from the sea
- 3. Latitude of the place
- 4. Pressure difference of the place

Which of these are correct:

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

53. Consider the following forces affecting the velocity and direction of wind:

- 1. Frictional force
- 2. Gravitational force
- 3. Pressure gradient force

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Which of the following are correct:

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

54. In which of the following ways local winds are beneficial:

- 1. It benefits in coffee and grape cultivation through temperature inversion
- 2. It melts the snow so agriculture is promoted.
- 3. It brings severe warmth in foothills.

Which of the statements given above are correct:

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

55. Consider the following statements:

- 1. The percentage of moisture present in the atmosphere as compared to its full capacity at a given temperature is known as relative humidity.
- 2. The process of transformation of solid into liquid by the use of heat energy is called as sublimation.
- 3. The direct transformation of water vapour into ice is called condensation.

Which of the statements given above are correct:

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

56. With respect to stationary front, Which of the statements given above are correct:

- 1. When the surface position of a front does not change (when two air masses are unable to push against each other; a draw), a stationary front is formed.
- 2. The wind motion on both sides of the front is **parallel to the front**.
- 3. Warm or cold front stops moving, so the name stationary front.

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

57. With reference to tropical cyclones, consider the following statements:

- 1. Tropical cyclones originate and intensify over warm tropical oceans.

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2. It should have large sea surface with temperature higher than 27 degree Celsius.

3. There is no need of continuous moisture supply.

Which of the statements given above are correct:

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

58. With respect to trade winds,consider the following statements:

- 1. The tropical winds have north easterly direction in the northern hemisphere and South easterly direction in southern hemisphere.
- 2. These winds helped the sea merchants in sailing their ships as their direction remains more or less constant,hence named Trade winds.
- 3. Trade winds are more constant over oceans than over lands.

Which of the statements given above are correct:

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

59. With reference to jet streams, consider the following statements:

- 1. The wavy jet stream is called as Rossby waves.
- 2. Wind velocity becomes twice in winter season.

Which of the statements given above are correct:

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. None of these

60. With regards to Polar Vortex, which of the following are true?

- a) Polar vortex is closely associated with **jet streams [Rossby waves]**.
- b) It is formed mainly in winter and gets **weaker in summer**.
- c) It surrounds **polar highs** and lie within the polar front

Choose the correct option:

- a. 1 and 2
- b. 2 and 3
- c. 1 and 3
- d. All the above

61. Cloud is a mass of minute water droplets or tiny crystals of ice formed by the condensation of the water vapour in free air.the characteristics of types of clouds are as below:

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1. Cirrus clouds are formed at low altitudes.
2. Cumulus clouds look like a cotton wool.
3. Nimbus clouds are opaque to the sun rays.
4. Stratus clouds are formed due to loss of heat.

Which of the statements given above are correct:

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

62. Consider the following statements:

1. Nitrogen constitutes the major portion of atmosphere.
2. Troposphere is associated with weather changes

Which of the statements given above are not correct:

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. None of these

63. What can be the impact of excessive use of chlorofluorocarbons in atmosphere:

1. Skin cancer and eye damage

2. Ozone layer depletion
3. Cause nervous damage and asphyxiation
4. Immune system deficiency
5. Global warming

Which of the statements given above are correct:

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

64. With respect to heat budget, consider the following statements:

1. The transport of heat from equatorial region to temperate regions is called as meridional transport of heat.
2. The polar areas are the zones of perennial energy deficit.
3. Energy surplus area lies between the zone of 20 degree N and 20 degree south.

Which of the statements given above are/is not correct:

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

65. Consider the following statements:

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1. Climate means the average atmospheric conditions of an area over a considerable time.
2. Climate average require a minimum of 25 years.
3. The degree of variability in the climate or weather of a country also differs.

Which of the statements given above are correct:

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

66. The importance of temperature is mentioned as:

1. It decides the moisture carrying capacity of air.
2. It governs the degree of stability.
3. It doesn't affect much to cloud formation and precipitation.
4. It influences the actual amount of water vapour.

Which of the statements given above are correct:

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

67. Which of the statements given above are correct:

1. Volcanic activity at hot spots can create submarine mountains known as Hot spot seamounts that reach the surface of the water can create entire chains of islands, such as the U.S. state of Hawaii.

2. **Reunion islands near Madagascar** is also an example of volcanic hotspot.

3. Hot spots can also develop beneath continents

- a. 1 only
- b. 2 only
- c. 1 and 2
- d. All the above

68. Consider the following statements:

1. Haze is caused by smoke and dust particles in industrial areas.
2. It reduces visibility in regions of low humidity.

Which of the statements given above are correct:

- a. 1 and 2
- b. 1 only
- c. 2 only
- d. None of these

69. Heat budget is a balancing mechanism of the atmosphere. Its effects on atmosphere are:

1. Absorption
2. Scattering
3. Reflection

Which of the statements given above are correct:

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

70. Inversion of temperature denotes local and temporary conditions of the atmosphere. The disadvantage of it to man and human activities are:

1. The smokes coming out of houses intensify fogs and create urban smog which is hazardous.
2. Fogs reduce atmospheric visibility and create accidents.
3. Fogs are unfavourable for many crops.
4. Tourism is affected.

Which of the statements given above are correct:

- a. 1 and 2
- b. 2 and 3
- c. 1,2,3 and 4
- d. None of the above

71. The distribution of air pressure is controlled by:

1. Altitude
2. Temperature
3. Air circulation
4. Rotation of the earth
5. Water vapour

Which of the statements given above are correct:

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

72. Coriolis force is also called as deflection force. Consider the following statements:

1. It affects wind direction only.
2. It is nullified in land and works only in air.
3. Higher the wind speed, greater is the wind deflection.

Which of the statements given above are correct:

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

73. Consider the following statements:

1. Equatorial region is characterized by rainfall in all seasons.

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2. Tropical region has one rainfall maximum and one minimum in a year.
3. Continents are characterized with maximum rainfall in winter.
4. Mediterranean region maximum rainfall in winter.

Which of the statements given above are correct :

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

74. With respect to thunderstorms, consider the following statements:

1. Thunderstorms are local storms characterized by upward movement of air and heavy rainfall with cloud and lightning.
2. These are not related with convective mechanisms.
3. Heavy downpour with thunderstorms are called cloud bursts.

Which of the statements given above are correct:

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

75. Tropical cyclones are very disastrous. The impacts of tropical cyclones are :

1. Destruction of buildings
2. Destruction of transport and power systems
3. Destruction of flora and fauna

Which of the statements given above are correct:

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

76. Consider the following pairs:

Height	type
1. High clouds -	Nimbus, Stratus
2. Middle clouds -	Altostratus, Altopilus
3. Low clouds -	Stratocumulus, nimbostratus

Which of the pairs given below are correctly matched?

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

77. Consider the following pairs:

Term	Meaning
1. Isobars -	Lines joining places having equal salinity.
2. Isohyet -	Lines joining places

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having same mean annual rainfall.

3. Isotherm - Lines joining places having equal temperature.

Which of the pairs given below are correctly matched?

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

78. Consider the following pairs:

Local wind		Country
1. Zonda	-	Argentina
2. Mistral	-	France
3. Brickfielder	-	Australia
4. Berg	-	South Africa

Which of the pairs given below are correctly matched?

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

79. Consider the following pairs:

Rainfall		Description
1. Orographic	-	Windward and leeward
2. Frontal	-	Convergence of two airmass
3. Convectional	-	Raising of two air mass

Which of the pairs given below are correctly matched?

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

80. Consider the following pairs:

Instrument		Description
1. Hygrometer	-	Measuring relative humidity
2. Anemometer	-	Measuring intensity
3. Barometer	-	Measuring pressure

Which of the pairs given below are correctly matched?

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

81. With respect to Arpan 3.0,Consider the following statements:

- 1. ARPAN is Army Record Office ProcessAutomation 3.0.
- 2. It will provide easy access to army service records including pay and leave details.

Which of the statements given above are correct:

- a. 1 only

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- b. 2 only
- c. 1 and 2
- d. None of these

82. Consider the following statements :

1. Rohingya are a stateless Indo-Aryan people from rakhine state, Myanmar.
2. UN declared them as most persecuted minorities in the world.

Which of the statements given above are not correct:

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

83. Which of the following is the India's first indigenously built Scorpene submarine delivered to the Indian Navy?

- a. INS Vela
- b. INS Godavari
- c. INS Khanderi
- d. INS Kalvari

84. Which city hosted the National conference on Agriculture for Rabi campaign?

- a. New Delhi
- b. Lucknow
- c. Jaipur

- d. Bhopal

85. The Dalma wildlife sanctuary is located in which state:?

- a. Maharashtra
- b. Bihar
- c. Jharkhand
- d. West Bengal

86. The following statements are about BIMSTEC disaster management exercise 2017 .

1. It will be conducted by National Disaster Response Force as the lead agency in Delhi and the NCR.
 2. The main focus is to test the regions preparedness and resilience towards effective activation of inter governmental interaction of immediate deployment of regional resources for disaster response.
- Which of the statements given above are correct?

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

87. Parali I Island, which has vanished due to coastal erosion .It was a part of which state/UT?

- a. Gujarat

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- b. Lakshadweep
 - c. Andaman
 - d. West Bengal
- 88.** The Government has introduced North East festival to promote art, cultural, handicrafts, business and tourism. The name of the festival is?
- a. North East Calling
 - b. North East Development Programme
 - c. Mission North East
 - d. None of the above
- 89.** Which Indian organisation has developed an artificial leaf to create fuel from sunlight.
- a. Defence Research and Development Organization
 - b. Indian Space Research Organization
 - c. Council of Scientific and Industrial Research, Pune
 - d. IIT Kharagpur
- 90.** The Union environment ministry has launched which environment quiz on National Teachers Day?
- a. Prakriti Khoj
 - b. Paryavaran Prerak
 - c. GreenMarch
 - d. Prakriti Paryavaran
- 91.** Which of the following Airport has bagged the National Award for 'Excellence' in energy management?
- a. Chennai International Airport
 - b. Rajiv Gandhi International Airport
 - c. Chaudhary Charan Singh International Airport
 - d. Vijayawada International Airport
 - e.
- 92.** Which city has been formerly accorded the status of India's first World Heritage City by UNESCO?
- a. Udaipur
 - b. Madurai
 - c. Ujjain
 - d. Ahmedabad
- 93.** World's first IAEA Low enriched Uranium bank has opened in which country?
- a. Kazakhstan
 - b. Israel
 - c. Japan
 - d. Kyrgyzstan
- 94.** The Gobindobhog Rice has recently got Geographical Indication (GI) status. This type of rice is primarily grown in which state.?
- a. Odisha
 - b. West Bengal

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- c. Manipur
- d. Nagaland

- c. 1, 3 and 4
- d. All the above

95. ICEX has launched the World's first diamond future exchange. What does ICEX stand for?

- a. Indian Commodity Exchange
- b. International Commodity Exchange
- c. Indonesia Commodity Exchange
- d. None of the above

96. Consider the following statements:

1. National Sports Talent search portal is launched by Ministry of Youth Affairs and Sports.
2. The portal will enable any person across country to upload his information and as per that the ministry will tap their talent and train them further in their respective disciplines.
3. The portal will be available in English and other Regional languages.
4. Around 1000 children will be selected and they will receive scholarship of 5 lakh per year for 8 years.

Which of the statements given above are correct:

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

97. Which of the following statements are correct?

1. Karst topography is a landscape formed from the dissolution of soluble rocks such as limestone, dolomite, and gypsum.

2. It is characterized by underground drainage systems with sinkholes, caves.

Choose the correct option:

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. None of these

98. Which Tech giant has launched project 'Brain Wave' for real time Artificial Intelligence.

- a. Infosys
- b. Microsoft
- c. Google
- d. Facebook

99. Which of the following features of Indian temples resembles pylons of the Egyptian temples?

- a. Lat
- b. Vimana

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- c. Gopura
- d. Shikhara

100. Which of the following states is sole producer of agate, chalk and perlite in India?

- a. Rajasthan
- b. Gujarat
- c. Karnataka
- d. Tamil Nadu