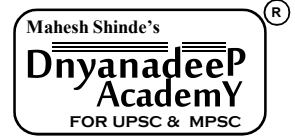




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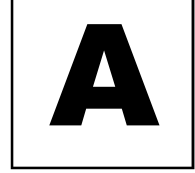
Geography-Comprehensive/2019

TEST BOOKLET

Test Booklet Series

GENERAL STUDIES

PAPER - I



Time Allowed : Two Hours

Date : 10-02-2019

Maximum Marks : 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS 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. 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.
3. This Booklet contains **100** items (questions). Each item comprises 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.
4. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answers Sheet.
5. **All** items carry equal marks.
6. 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.
7. 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.
8. Sheets for rough work are appended in the Test Booklet at the end.
9. **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** 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 **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 Sun is vertically overhead at the equator always on the 21st March and 23rd September.
2. One complete revolution of Earth around the Sun takes exactly 365 days.

Choose the correct statement(s) using the code given below :

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

2. Consider the following statements :

1. Air pressure increases from Mesosphere to Troposphere.
2. Air temperature increases from Stratosphere to Mesosphere.

Choose the correct statement(s) from the code given below :

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

3. Which among the following country shares the shortest land frontier with India?

- (a) Bhutan
- (b) Myanmar
- (c) Nepal
- (d) Pakistan

4. Consider the following statements :

1. Khadar is a zone where streams and rivers disappear.
2. Bhabar zone consists of old alluvial deposits.

Select the *incorrect* statement from the code given below:

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

5. Consider the following statements regarding 'Tornado' :

1. Forms on land.
2. Survives on water as well as on land.
3. Occurs mostly in tropical region.

Choose the correct statement using the code given below :

- (a) 2 and 3 only
- (b) 1 and 3 only
- (c) 1 and 2 only
- (d) All of the above



6. Consider the following statements about different types of Clouds :

1. Cirrus clouds are formed at low altitudes.
2. Stratus clouds are generally formed either due to loss of heat or the mixing of air masses with different temperatures.
3. Nimbus clouds are black or dark grey.

Which of the above statements are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) All of the above

7. Which of the following rivers origin place is known as 'Lion's mouth'?

- (a) Narmada river
- (b) Tapi river
- (c) Satluj river
- (d) Indus river

8. Island of Guam is quite frequent in the news, consider the following sentences regarding this island:

1. This is situated in Western Pacific Ocean.
2. It is just 1000 kms from North Korea.
3. It is incorporated United States Territory and the major ethnic group is Chamorro.

Which of the above statements is/are correct?

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

9. Consider the following statements :

1. 9⁰ channel separates Lakshadweep from Minicoy.
2. 11⁰ channel separates Amini island from Canannore island.
3. Grand channel separates Myanmar from North Andaman.

Which of the above statements are correct?

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



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10. What is Asia Reassurance Initiative Act (ARIA) ?
- It is an act passed by India in the context of its 'neighbourhood first' and 'Act East Policy' to re-assure its neighbouring and extended neighbourhood countries, Indian support.
 - It is an act designed to counter the encroaching influence and growing threat from China by the quad group.
 - It is an act passed by U. S. to countering China's influence to undermine the international system.
 - It is an initiative of United Nations that aims to provide adequate nutrition and education to under-privileged children.
11. Which of the following statements is/are true?
- The urban decadal growth rate of population is more than that of rural areas.
 - The contribution of rural and urban areas to the total increase in population is nearly equal.
- Select the correct statement using the code given below :
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
12. Which current is responsible for increasing in the temperature of the Western Europe?
- Canary current.
 - Gulf stream.
 - Lobrodor current.
 - North equatorial current.
13. Which of the following conditions are favourable for the formation of deltas?
- Erosionless upper course of the rivers.
 - No large lakes in the river course.
 - Strong currents at the mouth of river.
- Choose the correct condition(s) using the code given below :
- 1 only
 - 2 and 3 only
 - 2 only
 - 1, 2 and 3

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(4-A)



14. Consider the following statements regarding Latitudes and Longitudes?

1. Longitude and Latitude both are required to determine the local time with relation to G. M. T.
2. Longitude helps in determining climate of the region.

Select the correct statement(s) using the code given below :

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

15. Farmer suicides in the country can be linked to the 'agrarian distresses' caused due to structural changes in the economy as well as changes in economic and agricultural policies. Which of the following can be counted among those?

1. Shift to cash crops.
2. Exposure of Indian agriculture to forces of Globalization.
3. Withdrawal of state from agricultural extension activities.

Choose the correct answer using the codes given below :

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) All of the above

16. What can be the possible reason for Gujarat to be a earthquake prone area?

- (a) Convergence of tectonic plates.
- (b) Transform fault along the plate margins.
- (c) Presence of intra-plate fault line.
- (d) Volcanic eruption leading to destabilization of rock strata.

17. The Reserve Bank of India (RBI) has granted permission for tokenisation of debit, credit and prepaid card transactions in India. Which of the following statements is/are true regarding "Tokenisation"?

1. It works on the principle of a virtual card.
2. It is used to perform card transactions in contactless mode.
3. Tokens generated are unique for every token requestor and card holder.

Select the correct answer using the code given below :

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



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18. Which of the following country has the highest number of time zones?

- (a) Russia
- (b) France
- (c) United States
- (d) Australia

19. Find out the *incorrectly* matched pair from the following :

Types of Islands	Examples
1. Volcanic	- Madagascar
2. Continental	- Sri Lanka
3. Coral	- Bahama
4. Sand bar	- Baffin island

Choose the answer from the code given below:

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

20. Consider the following statements regarding temperature pattern of the ocean :

- 1. Northern hemisphere ocean is warmer than southern hemisphere ocean.
- 2. Highest temperature is at the equator.

Which of the above statement is/are correct?

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

21. Which one of the following is the place of confluence of the Alaknanda river and Pindar Ganga river?

- (a) Vishnu Prayag
- (b) Dev Prayag
- (c) Nand Prayag
- (d) Karan Prayag

22. Consider the following statements regarding 'Basaltic eruptions' :

- 1. Basaltic eruption forms oceanic ridges.
- 2. Basaltic eruptions are explosive type of eruptions.

Select the correct statement(s) from the code given below :

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

23. Which of the following is the best possibility due to cold front?

- (a) Increase in the temperature.
- (b) Cyclonic heavy rainfall.
- (c) Increase in the number of cold currents.
- (d) Gradual rainfall.



24. Look at the following sentences with regard to Caucasus Mountains.

1. These mountains are the systems which are situated between Black Sea and Caspian Sea.
2. They are entirely in Russia.
3. Mount Elbrus is not only the highest peak in Caucasus Mountains but also in entire Europe at a height of 5,642 meters.

Which of the above statement is/are correct?

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

25. Consider the following statements:

1. Large scale upwelling is most prominent on the eastern sides of Ocean basins.
2. Upwelling occurs along the equator.
3. Somali current is a warm current and is formed during winter season.
4. Mid Oceanic Ridges have a role in the causation of Ocean currents.

Which of the statements given above are correct?

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

26. Interpol notices are international requests for co-operation or alerts allowing police in member countries to share critical crime-related information. In the context of same, read the following statements.

1. Orange notice by Interpol is to warn of an event, a person, an object or a process representing a serious and imminent threat to public safety.
2. Black notice by Interpol is to ban migration of criminal.
3. Red notice by Interpol is to warn of an event, a person, an object representing a serious threat to public safety.

Select the correct statement(s) from the code given below :

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

27. Consider the following statements:

1. The magnetic pole of the earth drifts every day.
2. The variation in the flow molten iron in the mantle is responsible for shifting of magnetic poles.
3. The magnetic field is influenced by the rotation of the earth.

Which of the above statements is/are correct?

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



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28. Arrange the following as per their increasing value of Albedo.

1. Glass
2. Grass
3. Water
4. Concrete

Choose the correct answer from the code given below :

- (a) Glass, Water, Grass, Concrete
- (b) Water, Grass, Concrete, Glass
- (c) Grass, Concrete, Glass, Water
- (d) Grass, Water, Glass, Concrete

29. Consider the following statements:

1. Tea is a beverage crop that requires warm climate and well distributed high rainfall throughout the year.
2. Coffee is well suited for well drained loamy soils and hill slopes.
3. Tea is more labour intensive crop than Coffee.

Select the correct answer from the code given below :

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

30. Between India and East Asia, the navigation time and distance can be greatly reduced by which of the following?

1. Opening a new canal across the Isthmus between the Gulf of Siam and Andaman Sea.
2. Deepening the Malacca strait between Malaysia and Indonesia.

Which of the statement given above is/are correct?

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

31. Consider the following statements :

1. Temperate cyclone travels from East to West.
2. Tropical cyclones are difficult to predict.
3. Temperate cyclones covers larger area than the Tropical cyclones.
4. Tropical cyclones are weak on land.
5. Temperate cyclones are more dangerous than Tropical cyclones.

Which of the above statements are correct?

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



32. Which of the following states receives floods in the winter months?
- Kerala
 - Tamil Nadu
 - Assam
 - West Bengal
33. Consider the following statements.
- It is governed by topography.
 - Large changes in mean temperature occur over short distances.
 - Precipitation types and intensity also vary spatially.
- The above characteristics are related with which of the following climate type?
- Polar Climates
 - Cold Snow Forest Climates
 - Highland Climates
 - Tundra Climate
34. Kerch strait was recently in news. It connects which of the following two water bodies?
- Aegean sea and Sea of Marmara.
 - Black sea and Sea of Azov.
 - Arafura sea and Gulf of Papua.
 - Black sea and Marmara sea.
35. Consider the following statements :
- Indus river enters in India only through the Leh district in Jammu and Kashmir.
 - Jhelum is the largest tributary of the Indus river.
 - Satluj flows almost parallel to Indus for about 400 kms before entering India.
- Select the correct statement using the code given below :
- 1 and 3 only
 - 2 and 3 only
 - 1 and 2 only
 - 1, 2 and 3
36. Which of the following are the causes of low pressure in the equatorial region?
- High temperature
 - High humidity
 - High coriolis force
 - Air convergence
- Select the correct answer using the code given below :
- 1 and 2 only
 - 1 and 4 only
 - 1, 2 and 4 only
 - 1, 2, 3 and 4



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37. A person 'X' is planning a trip to visit Bhopal, Raipur (Chhattisgarh), Lukhnow, Ranchi, Kolkata and Patna. Suppose all these places are interconnected with each other with straight routes. He has decided the following plan :
- Start from his current location Gandhinagar of Gujarat and travel towards Bhopal, then Bhopal to Lukhnow, then Lukhnow to Raipur, then Raipur to Ranchi, then Ranchi to Patna, then Patna to Kolkata.
- In this journey how many times will he cross the Tropic of cancer?
- (a) One
(b) Two
(c) Three
(d) Four
38. The hot weather season over south India is mild and **not** intense due to
- (a) Frequent occurrence of cyclones.
(b) Moderating effect of the oceans.
(c) Orographic effects of Western and Eastern ghats.
(d) None of the above
39. Consider the following statements regarding 'Tsunami' :
1. Tsunami waves cover longer distance wavelengths than normal waves.
 2. Vessels in the mid sea can not recognize the Tsunami waves.
 3. 4th and 7th waves of Tsunami are more dangerous.
- Which of the above statement is/are not correct?
- (a) 2 only
(b) 2 and 3 only
(c) 3 only
(d) 1 and 3 only
40. According to a study Published in Geological Society of India, southern peninsular India was hit by an asteroid larger than the one that wiped out dinosaurs. What name has been given to this impact crater?
- (a) Godavari crater
(b) Nilgiri crater
(c) Kaveri crater
(d) Deccan crater



41. Consider the following conditions:
1. Warming of Peruvian current.
 2. Strengthening of monsoon resulting in heavy rain in South and South-east Asia.

Which of the condition(s) given above generally characterize El-Nino?

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

42. What are the favorable conditions for the river capture to occur?

1. Steep channel gradient.
2. Relatively broad valley.
3. Higher volume of water so that velocity and discharge may be sufficiently high.
4. Soft rocks.
5. More sediment load.

Choose the correct answer from the code given below :

- (a) 1, 2 and 3 only
- (b) 2, 3 and 5 only
- (c) 1, 3 and 4 only
- (d) All of the above

43. Which of the following area comes under earthquake Zone V?

1. Northeastern India.
2. Lakshadweep Island.
3. Andaman and Nicobar Island.
4. West coast of Maharashtra.
5. Union territory of Delhi
6. Sikkim

Choose the correct answer from the code given below :

- (a) 1, 2, 3 and 4 only
- (b) 1, 3 and 5 only
- (c) 1 and 3 only
- (d) All of the above

44. Read the following features of rivers system.

1. Absence of meanders
2. Older drainage system
3. Fixed course
4. Broad largely-graded shallow valleys.

For which of the following river, above features are best suitable?

- (a) Godavari
- (b) Kosi
- (c) Brahmaputra
- (d) Satluj



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45. Which of the following statements is *incorrect* regarding air masses?
- Temperature inversion limits the vertical extent of cooling, preventing condensation and precipitation.
 - Polar air mass movement results in the formation of cumulus clouds.
 - Temperate cyclones are seen in the zones of front formation.
 - Maritime air masses are dry, hence do not result in any rainfall.
46. Consider the following statements about 'Magnetic storms':
- They are caused by temporary disturbance of earth's magnetosphere due to solar flares.
 - Their frequency is dependent upon sunspot cycle.
 - Their occurrence impacts functioning of radar, radio, pendulum clock and magnetic compass.
 - They cause aural displays to occur at much lower latitude.
- Which of the statements given above is/are correct?
- 1 only
 - 1 and 2 only
 - 1, 2 and 3 only
 - 1, 2 and 4 only
47. "Rat-hole mining" was recently in news. What it is?
- Mining through the small tunnels already existed and formed by rats.
 - Mining to extract rare minerals with the use of small animals like rats.
 - Digging very small tunnels for mining without safety pillars.
 - It is a type of precision mining to extract gold.
48. Consider the following statements, Identify the right ones.
- Asia has less than 20% of land suitable for agriculture.
 - North America is closer to Asia than Europe.
- Choose the correct answer from the code given below :
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2

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49. Consider the following statements :

1. Migration of ICTZ to the south of India is one of the reason for South West Monsoon.
2. Intense heating of Tibetan plateau during summer months is main factor for North East Monsoon.
3. Leeward side of Sahyadri receive heavy rainfall during South West Monsoon.

Which of the statements given above are *not* correct?

- (a) 1 and 3 only
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) All of the above

50. Which of the following is the highest peak in Andaman and Nikobar?

- (a) Barren peak.
- (b) Saddle peak.
- (c) Diavolo peak.
- (d) Koyob peak.

51. The pattern of planetary winds is affected by

1. Earth's rotation.
2. Distribution of continents and oceans.

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

52. Which of the following are the best necessary conditions to identify fold mountains?

1. Formed along unstable parts of the earth.
2. No sedimentary deposits of marine origin.
3. Extensive mountain chain.
4. Great heights
5. Formed due to ocean crust – ocean crust convergence.

Choose the correct answer from the code given below :

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



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53. With which of the following, the phenomenon "Western intensification" is directly associated with?

- (a) Sub-tropical Gyres
- (b) West Wind Drift
- (c) Upwelling
- (d) Down-welling

54. Which of the following country of Asia is *not* landlocked?

- (a) Mongolia.
- (b) Tajikistan.
- (c) Uzbekistan.
- (d) Malaysia.

55. With reference to time zones, consider the following statements:

1. Antarctica does not have a fixed time zone as every line of longitude passes through it.
2. The International Date Line perfectly coincides with the 180 degree meridian.

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

56. With reference to tides, consider the following statements:

1. Spring tides are the high tides formed when Sun and Moon are at right angles.
2. Spring tides occur only during the New Moon.

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

57. With references to the mineral sources of India, consider the following pairs :

Mineral	State
1. Copper	: Jharkhand
2. Nickel	: Odisha
3. Tungsten	: Kerala

Which of the given pair(s) given above is/are *incorrect*?

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



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58. Ultima Thule was recently in news. What it is?
- It is the name given to the proposed border will by the United States.
 - It is one of the most deadly submarines made by China.
 - It is a trans-Neptunian object located in the Kuiper belt.
 - It is the world's largest nuclear reactor situated in Switzerland.
59. Which of the following statement is/are correct regarding Geysers and Hot springs?
- Hot water comes out forcefully in case of Geysers and slowly in case of Hot springs.
 - Water gets heated by deep source of magma in case of Geysers and shallow source of magma in case of Hot springs.
- Choose the correct answer from the code given below :
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
60. The Köppen climate classification is/are based on :
- Temperature.
 - Precipitation.
 - Vegetation.
 - Wind pattern.
- Select the correct options from the code given below :
- 1, 2 and 3 only
 - 1 and 2 only
 - 2, 3 and 4 only
 - 1, 2, 3 and 4
61. The place "Noonmati" in India, is related to which among the following?
- Salt Industry
 - Petroleum Industry
 - Paper Industry
 - Textile Industry
62. Which of the following is/are correct regarding Tropical Moist Deciduous Forests in India?
- They are found in the regions which receive between 100-200 cm of rainfall.
 - They are found on the western slopes of Eastern Ghats.
 - They are found on the foothills of northeast Himalayas.
- Choose the correct code given below :
- 1 only
 - 2 and 3 only
 - 3 only
 - 1 and 3 only

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63. Which of the following cities lies to the western most longitude?
- Nagpur
 - Agra
 - Hyderabad
 - Bhopal
64. Kashmir Himalayas are famous for the Karewa formation, which of the following is correct description of Karewa?
- Karewas are the new alluvial soil deposits, useful for the cultivation of Zafran.
 - Karewas are the deposits of alluvial soil and glacier clay, useful for the cultivation of Apples.
 - Karewas are the thick deposits of glacier clay and other materials embedded with moraines.
 - Karewas are the old alluvial soil deposits, and not useful for cultivation and Zafran.
65. What would be the influence on the weather conditions when in mid-winter a feeble high pressure develops over the North-Western part of India?
- High and dry winds would blow outward from this high pressure area.
 - The Northern plain would become cold.
 - Scorching winds (locally called loo) would blow during the day time.
 - There would be torrential rains brought by thunderstorms.
- Select the correct answer using the codes given below :
- 1 and 2 only
 - 2 and 3 only
 - 3 and 4 only
 - All of the above.
66. Consider the following statements :
- Eluviation is the downward transportation of soil components.
 - Illuviation is the downwards transportation of minerals.
 - Soil crust due to deposition of salts is known as hardpans.
- Select the correct statement(s) using the codes given below :
- 1 and 2 only
 - 2 and 3 only
 - 1 and 3 only
 - 1, 2 and 3

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67. Match the India's mountain passes with their location in the respective states.

Pass	State
1. Nathu La Pass	A. Uttarakhand
2. Lipulekh Pass	B. Jammu & Kashmir
3. Rohtang La Pass	C. Sikkim
4. Zoji la pass	D. Himachal Pradesh

Select the correct answer using the code given below :

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

68. Which of the following cities is known for the highest average number of thunderstorms in a year?

- (a) Kampala
- (b) Alexandria
- (c) Durban
- (d) Djibouti

69. Which of the following space missions are *not* related to Saturn?

- 1. Mariner 4
- 2. Pioneer 11
- 3. Juno
- 4. Cassini-Huygens

Choose the correct answer using the code given below :

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

70. Which of the following are mid latitude deserts?

- 1. Gobi
- 2. Atacama
- 3. Kalahari
- 4. Pantagonian
- 5. Mohave
- 6. Turkestan

Choose the correct answer using the code given below :

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



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71. Which among the following are the coastal feature of erosion?

1. Capes
2. Stack
3. Stump
4. Bars

Select the correct answer using the codes given below :

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

72. Which are the important factors responsible for weather formation in any region?

1. Temperature
2. Latitude
3. Pressure
4. Rainfall

Choose the correct answer from the code given below :

- (a) 1 and 2 only
- (b) 1 and 4 only
- (c) 1, 2 and 3 only
- (d) All of the above

73. Which one of the following climatic types is primarily the outcome of shifting of pressure belts with the seasonal apparent movement of the Sun in the sky?

- (a) Equatorial Type
- (b) Mediterranean Type
- (c) Tundra Type
- (d) None of the above

74. Consider the following statements regarding our solar system :

1. Jovian planets have not experienced removal of gases due to low intensity of solar wind.
2. Terrestrial planets could not hold escaping gases due to their high gravity.

Select the correct statement(s) using the codes given below :

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



75. Consider the following statements regarding census 2011 :

1. Mizoram and Lakshadweep has the highest percentage of tribal population per 2011 census.
2. Haryana and Punjab have zero percentage of tribal population.

Select the correct statement(s) from the code given below :

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

76. Consider the following statements regarding 'Drainage patterns' :

1. When the primary tributaries of rivers flow parallel to each other and secondary tributaries joint them at right angles, the pattern is know as dendritic.
2. When the river discharges their waters from all directions in a take, the pattern is known as radial.

Which of the above statement is/are **not** correct?

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

77. The origin of Himalayas can be best explained by

- (a) Continental Drift Theory
- (b) Ocean Floor Mapping
- (c) Sea Floor Spreading
- (d) Theory of Plate Tectonics

78. With reference to the Mixed Farming, consider the following statements :

1. This form of agriculture is found in the least developed parts of the world.
2. Fodder crops are an important component of mixed farming.
3. Equal emphasis is laid on crop cultivation and animal husbandry.

Which of the above given statements is/are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 3 only
- (d) All of the above

79. The atmospheric gas Carbon dioxide (CO₂),

- (a) Absorbs incoming solar radiation as well as terrestrial radiation.
- (b) Absorbs incoming solar radiation but not terrestrial radiation.
- (c) Absorbs terrestrial radiations but not incoming solar radiation.
- (d) Neither absorbs incoming solar radiation nor terrestrial radiation.



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80. Which of the following can be called as 'factors of production'?

1. Human labour
2. Land
3. Consumer goods
4. Capital goods

Select the correct answer using the codes below:

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

81. Citizenship Amendment Bill is seen recently in news. It gives citizenship to illegal immigrants belonging to minorities from which of the following countries?

1. Pakistan
2. Bangladesh
3. Nepal
4. Afganistan

Choose the correct answer from the code given below :

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

82. Which of the following is *not* part of Oceanian countries?

- (a) Fiji
- (b) Kiribati
- (c) Papua New Guinea
- (d) Indonesia

83. Consider the following statements regarding the movement of ocean waters :

1. Tides can be predicted well in advance.
2. Steep waves are fairly young ones and probably formed by local winds.
3. Warm currents usually observed on the east coast of continents in the low and middle latitudes.

Select the correct statements using the code given below :

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



84. Consider the following statements regarding Glacial Landforms :
1. Erosion by glaciers is tremendous because as glacier moves it becomes water, moving fast taking lot of rocks with it.
 2. Tarn lakes are the lakes seen after the glacier disappears.
 3. Moraines are oval shaped mound like features composed of glacial till.
- Select the *incorrect* statement(s) using the codes given below :
- (a) 1 and 2 only
 - (b) 1 and 3 only
 - (c) 2 only
 - (d) 2 and 3 only
85. Consider the following statements:
1. The inner layers of the earth are formed due to the process of differentiation
 2. The early atmosphere largely consisted of Oxygen and very little of Nitrogen.
 3. Oxygen in the oceans increased only after the atmosphere was saturated with it.
- Which of the statements given above is/are *incorrect*?
- (a) 1 only
 - (b) 1 and 2 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3
86. Out of given islands in Indian Ocean Region, which of the following is an Independent Sovereign Nation?
- (a) Reunion Island
 - (b) Zanzibar
 - (c) Phuket
 - (d) Seychelles
87. What is the Objective of UNNATI programme which was launched recently?
- (a) To promote robotics in the country.
 - (b) To encourage children to innovate at school level.
 - (c) Nano-satellite development.
 - (d) Promoting the use of nanotechnology.
88. Consider the following statements :
1. India is the largest producer of the Iron and Tin in the world.
 2. Brazil is the largest producer of the high grade Iron in the world.
 3. Africa is the leading producer of valuable minerals like gold, diamond and platinum.
- Select the correct statement(s) from the code given below :
- (a) 2 and 3 only
 - (b) 1 and 3 only
 - (c) 2 only
 - (d) 1, 2 and 3



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89. Which of the following can be the consequences of ocean floor mining?

1. Introduction of heavy metals in the food chain of marine organisms
2. Interference with the photosynthetic processes of phytoplankton.
3. Plate movements can result in severe earthquakes.

Select the correct answer using the code given below :

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

90. Consider the following statements:

1. Southern Oscillation represents a Walker Cell.
2. Walker Cell circulations form part of Hadley Cell.
3. Horse latitudes form the wet branch of Hadley Cell.

Which of the statements given above is/are correct?

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

91. Consider the following statements:

1. Soil texture and structure largely determine the water retention properties of soil.
2. Moisture holding capacity of the soil is inversely proportional to grain size of soil.

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

92. What happens to tropical soils when the rain forests are cleared?

- (a) The soil improves to the extent that soluble nutrients are no longer depleted by the trees.
- (b) There is little effect on the soil because of its depth of richness.
- (c) Clearing interrupts the critical nutrients cycle and leads to soil leaching.
- (d) The soils stabilize and become excellent for grain.



93. Recently, world's second oldest rock is discovered in Odisha. It is an estimated 4240 million years old rock. What is the name of oldest mineral grains found in that rock?
- (a) Magmatic Augite
(b) Magmatic Zircon
(c) Magmatic Pyroxenes
(d) Magmatic Dolomite
94. A person from New Zealand travels to Hawaii by air. He starts his journey at 1 AM (local time). Which of the following is true?
- (a) The person would reach Hawaii on the previous calendar day.
(b) The person would reach Hawaii on the same calendar day.
(c) The person would reach Hawaii on the next calendar day.
(d) Cannot be determined.
95. Consider the following statements :
1. Arctic ocean is the shallowest of all oceans.
 2. Pacific ocean has the longest coastline.
 3. Atlantic ocean is still widening.
- Select the correct statement(s) from the code given below :
- (a) 1 only
(b) 1 and 3 only
(c) 2 and 3 only
(d) 1, 2 and 3
96. Which among the following statement is *incorrectly* stated?
- (a) Mountain building is one of the mechanism under diastrophism.
(b) Orogeny leads to very simple deformation of earth's crust.
(c) The term Denudation covers all exogenic geomorphic process.
(d) Intensity of exogenic geomorphic process depends upon type and structure of rocks.



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97. Consider the following features of a rock :

1. Formation at some depth in earth's crust.
2. Large, easily recognizable crystals.
3. Slow solidification.

Which among the following rocks satisfies these features?

- (a) Basalt
- (b) Granite
- (c) Grit
- (d) Schist

98. Consider the following statements, Identify the right ones :

1. Climate is the momentary state of the atmosphere.
2. Weather refers to the average of the climatic conditions over a long period of time.

Choose the correct code of answer :

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

99. With reference to planetary winds, consider the following statements.

1. Doldrum is a regular feature all along the equator.
2. Trade winds disappear during summer season.
3. Westerlies are less effective during summer season.

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

- (a) 1 only
- (b) 2 and 3 only
- (c) 1 and 2 only
- (d) All of the above

100. Which one of the following does *not* border Panama?

- (a) Coast Rica
- (b) Pacific Ocean
- (c) Colombia
- (d) Venezuela