



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

QUESTION : Due to Earth's internal processes, large areas are broken or cracked and displaced vertically. The landform thus produced is a

- a) Tectonic Plateau
- b) Block Mountains
- c) Fold Mountains
- d) None of the above

Ans. B

Explanation:

Block Mountains are formed when the earth's surface faults or cracks in the earth's crust force some materials or blocks of rock up and others down. Instead of the earth folding over, the earth's crust fractures (pulls apart). It breaks up into blocks or chunks.

QUESTION : "Formed due to deposition, they are very fertile and are thickly-populated regions of the world". What are they?

- a) Hilly areas
- b) Desert areas
- c) Plains



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d) Islands

Answer: C

Explanation:

Plains are usually formed by rivers and their tributaries. When a river flows down a mountain, it erodes the mountain. The river carries forward the eroded material. Then the river deposits the load in its valley.

QUESTION : Which of the following are correctly matched?

Name of the Place : River associated with the place

1. Chotanagpur Plateau : Subarnarekha
2. Aravali range : Sabarmati
3. Ramgarh hills : Mahanadi
4. Satpura range : Narmada

a) Only 3

b) 1, 2 and 4

c) 1, 3 and 4

d) 2 and 4



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Ans. B

Explanation: Ramgarh district is a part of Chotanagpur plateau. Important physiographic regions of the district is Damodar Trough or Upper Damodar basin or simply Damodar Valley. Major area of the district comes under Damodar Valley.

QUESTION : With reference to the Himalayas, consider the following statements:

1. The northern most ranges known as Greater Himalayas are also called as Himachal Mountains.
2. Lesser Himalayas are known as Himadri.
3. The Mount Everest is located in the Inner Himalayas.

Which of the above is/are correct?

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

Ans: C

Explanation: The Himalaya consists of three parallel ranges in its longitudinal extent. A number of valleys lie between these ranges. The northern most range is known as the Great or Inner Himalayas or the Himadri'. It is the most continuous range consisting of the



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loftiest peaks with an average height of 6,000 metres. It contains all the prominent Himalayan peaks. Mount Everest is located in these mountains. The range lying to the south of the Himadri forms the most rugged mountain system and is known as Himachal or lesser Himalaya. The ranges are mainly composed of highly compressed and altered rocks. The altitude varies between 3,700 and 4,500 metres and the average width is of 50 Km.

QUESTION : Match the following

- | | |
|------------------------------|--------------|
| 1. U-shaped valley landforms | A. Limestone |
| 2. Dolines landforms | B. Glacial |
| 3. Hanging valley landforms | C. Marine |
| 4. V-shaped valley landforms | D. Riverine |

Options

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

Ans: C



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QUESTION : Which of the following are NOT correctly matched

1. Clay – Slate
2. Limestone – Marble
3. Coal – Graphite
4. Granite – Gneiss

Choose the correct option

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

Ans: D

QUESTION : Consider the following about buttress roots,

1. They are found in nutrient-rich soils.



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2. Many tropical trees have developed huge buttress roots.

Choose the correct code?

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) Neither 1 or 2

Answer: B

Explanation:

Buttress roots are large roots on all sides of a shallowly rooted tree. Typically, they are found in nutrient- poor rainforest soils and do not penetrate to deeper layers. Rainforests have a shallow layer of fertile soil, so trees only need shallow roots to reach the nutrients. However, shallow roots can't support huge rainforest trees, so many tropical trees have developed huge buttress roots.

QUESTION : Consider the following statements:

1. Areas where warm currents and cold currents meet lead to foggy conditions.
2. Japanese coast is one of the best fishing grounds of the world due to meeting of two cold currents. Which of the above is/are correct?



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

Ans. A

QUESTION : Match the following

Grasslands : Regions

- | | |
|-----------|-----------------|
| 1. Pampas | a. South Africa |
| 2. Veldts | b. Argentina |
| 3. Llanos | c. Australia |
| 4. Down | d. Venezuela |

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



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

Ans. B Explanation:

The Pampas, also called the Pampa, Spanish La Pampa, vast plains extending westward across central Argentina from the Atlantic coast to the Andean foothills, bounded by the Gran Chaco (north) and Patagonia (south).

The veldt, typical of the interior of South Africa, is a vast area of treeless grassland.

Los Llanos is a vast tropical grassland plain situated to the east of the Andes in Colombia and Venezuela, in northwestern South America.

Downs is a farming region on the western slopes of the Great Dividing Range in southern Queensland, Australia.

QUESTION : Consider the following statements:

1. Agricultural population includes cultivators and agricultural labourers and their family members.
2. Population doubling time is the time taken by any population to double itself at its current annual growth rate.

Which of the following statement(s) given above are correct?

- a) Only 1
- b) Only 2
- c) Both 1 and 2



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d) Neither 1 nor 2

Ans: C

Explanation:

Developed countries are taking more time to double their population as compared to developing countries. Most of the population growth is taking place in the developing world.

QUESTION : Consider the following statements:

1. The Chambal project's main purpose is soil conservation in the Chambal region.
2. The Hirakund dam in Orissa is the longest dam in the world.

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

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) Neither of the above

Ans: C

Explanation:



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The Chambal Project aims at judicious utilization of the water resources of the river for irrigation, power generation, soil conservation and economic development of the region.

Behind the dam extends a lake, Hirakud Reservoir, 55 km long. Hirakud Dam is one of the longest dams in the world, about 16 mi (26 km) in length. It was the first major multipurpose river valley project started after India's Independence Construction history.

QUESTION : Consider the following statements:

1. A characteristic feature of the cold weather season over the northern plains of India is the inflow of cyclonic disturbances from west and the north-west.
2. Winter rainfall in India is of immense importance for the cultivation of rabi crop.

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

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) Neither of the above.

Ans: C

Explanation:



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During winter, Westerlies flow over Northern part of India which occur in Mediterranean sea. Although the total amount of winter rainfall locally known as 'Mahawat' is small, they are of immense importance for the cultivation of rabi crop.

QUESTION : Which of the following statements are incorrect?

- a) Cirrus clouds are harbingers of fair weather.
- b) Cirrocumulus clouds give an arrangement which is called as mackerel sky.
- c) Cumulus clouds give a cauliflower structure.
- d) None of the above

Ans. D

QUESTION : Which one of the following statements is not correct?

- a) Bass strait separates Tasmania from Australia Mainland.
- b) Tropic of Capricorn passes through the Australia.
- c) Coral sea lies on the north-west of Australia.
- d) Australia's capital Canberra lies in New South Wales State of Australia.

Ans: C



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Explanation:

Coral Sea lies on the north- east of the Australia. It contains numerous Islands and reefs, as well as the world's largest reef system, the Great Barrier Reef. Tasmania and Australian main land is separated by Bass Strait.

QUESTION : Regarding sugar cane cultivation in India consider the following and choose the incorrect one

- a) It requires hot and humid climate with moderate rainfall.
- b) It is a long duration crop and takes up to 18 months to mature.
- c) India is the first largest producer of sugar cane and is second highest after Brazil in total area of sugar cane cultivation.
- d) Peninsular Indian sugarcane has higher sucrose content compared to northern India.

Ans: C

Explanation:

India is the largest in terms of area under cultivation, Brazil is the largest producer of sugarcane. It means that per hectare yield is more in Brazil than India. Peninsular India has longer crushing season compared to northern India. Besides, Peninsular sugar cane has high Sucrose content.

QUESTION : Choose the correct statement regarding the meandering stream:



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- a) Greater erosion occurs on the inside portion of the curve.
- b) Meanders appear during youthful stage of the stream
- c) When meanders from two adjacent streams meet , an oxbow lake forms
- d) Meanders result in the widening of a valley floor.

Ans: D

Explanation:

A meander is a curve in a river. Rivers flowing over gently sloping ground begin to curve back and forth across the landscape. These are called meandering rivers.

Meandering rivers erode sediment from the outer curve of each meander bend and deposit it on an inner curve further down stream. This causes individual meanders to grow larger and larger over time.

Meanders widening the valley floor are a regular phenomenon during mature stage of the river course.

Meanders grow laterally through erosion (outside bend) and sediment deposition (inside bend, point bar). When the loops get too large and consume too much energy (friction), the river will eventually find a less energetically "taxing" shortcut, and a part of the old channel will be abandoned and becomes an oxbow lake.

QUESTION : Which of the following factors play a role in uneven distribution of natural resources,



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1. The latitudinal specific characteristics of different places.
2. The nature of landscape and its influence on natural resources.
3. The altitudinal unevenness around the world.

Choose answer from Codes below:

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

Ans: D

Explanation:

All the three contribute to the uneven distribution of natural resources.

Latitude makes climate different from other places, landscapes like mountains, forests and river valleys contribute differently to the resource generation.

Altitude also results in different rates of weathering and solar insolation.

QUESTION : Consider the following statements regarding deserts:



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1. Almost all deserts are confined within 15° to 30° parallels of north and south of equator.
2. They lie in the trade wind belt on the western part of the continents.
3. Cold currents off the shore produce 'desiccating effect' causing dryness.

Which of above are TRUE?

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 only
- d) All are true

Ans: D

Exp: Here the trade winds blow offshore. The equatorial winds that rose upwards from equator and when they descend at the tropics, they have little moisture.

These desert lie in the trade wind belt on the western parts of the continents where trade winds are off-shore and they are bathed by cold current which produce a 'desiccating effect' so that moisture is not easily condensed into precipitation. Examples are great Saahara desert, Iranian and Thar desert etc

QUESTION : Which of the following is/are not the cause of infertility of Saline or Usar soil?



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1. They lack Sodium, Potassium and Magnesium and thus they are infertile and do not support any vegetative growth.
2. They are deficient in Calcium and Nitrogen and hence they have very low water bearing capacity.
3. Such soils have also have been formed in areas of canal irrigation and high sub-soil water-table.

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

Ans: A

Exp:

They contain Na, K and Mg which make them infertile and do not support vegetative growth.

QUESTION : China, Malaysia, Philippines and Taiwan claim sovereignty on which of the following island in South China Sea?

- a) Caroline Island
- b) Spartly Island



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c) Senkaku Island

d) Mariana Island

Ans: B

Exp:

The Spratly Islands dispute is an ongoing territorial dispute between Brunei, China, Malaysia, the Philippines, Taiwan (Republic of China), and Vietnam, concerning ownership of the Spratly Islands, a group of islands and associated maritime features located in the South China Sea. The dispute is characterised by diplomatic stalemate and the employment of low-level military pressure techniques (such as military occupation of disputed territory) in the advancement of national territorial claims.

QUESTION : Examine following statements and select the correct answer using the code given below:

1. A spectacular glowing light display in the ionosphere is known as Aurora.

2. Aurora is stimulated by the interaction of the solar wind with hydrogen.

3. In the Northern Hemisphere, it is known as Aurora Borealis.

4. In the Southern Hemisphere, it is known as Aurora Australis.

a) Only 1, 2 and 3

b) Only 1, 2 and 4



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c) Only 1, 3 and 4

d) All of the above

Ans: C

Exp:

Aurora is a natural electrical phenomenon characterized by the appearance of streamers of reddish or greenish light in the sky, especially near the northern or southern magnetic pole. The effect is caused by the interaction of charged particles from the sun with atoms in the upper atmosphere. In northern and southern regions it is respectively called aurora borealis or Northern Lights and aurora australis or Southern Lights.

QUESTION : 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 are correct?

- a) 1 and 2
- b) 2 and 3



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c) Only 3

d) All of the above

Ans: B

Exp:

Mixed farming is found in the highly developed parts of the world, e.g. north-western Europe, eastern North America.

Mixed farming is a concept that involves mixing two types of farming in one area of land. Often, crop, or arable, farming is mixed with livestock farming on one common farm.

Animals like cattle, sheep, pigs and poultry provide the main income along the crops.

QUESTION : Which one of the following statement is not correct about the Sargasso Sea?

(a) There is no mixing of the water of the Sargasso Sea with the remaining waters of the North Atlantic Ocean.

(b) The Sargasso Sea records the lowest salinity of North Atlantic Ocean.

(c) The Sargasso Sea plays a major role in the migration of the European eel and the American eel.

(d) This Sea is covered with rootless sea weeds.

Ans: B

Exp:



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Sargasso Sea is the only sea on the Earth without a coastline, a sea without shores. It is located in the midst of Gulf Stream on the west, North Atlantic Current in the north, Canary Current on the east and the North Atlantic Equatorial Current on the south. Unlike the harsh cold climate of the North Atlantic, the Sargasso Sea is strangely warm. The temperature of the water inside the sea is much more than the water on the outside. It records highest salinity due to high temperature and evaporation.

QUESTION : Consider the following statements about Loess:

1. These are blown from deserts and barren surfaces and deposited upon hills and valleys
2. Areas covered by Loess are infertile lands.
3. They are responsible for the formation of peneplain.

Choose the correct answer using the codes below.

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

Ans: C

Exp:



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Loess is a geologically recent deposit of silt or material which is usually yellowish or brown in color and consisting of tiny mineral particles brought by wind to the places where they now lie. It is a product of past glacial activity in an area. It is a sedimentary deposit of mineral particles which are finer than sand but coarser than dust or clay, deposited by the wind. Loess is a type of silt which forms fertile topsoil in some parts of the world.

QUESTION : Match the following

1. Fringing reef : A. Andaman
2. Patch reef : B. Gulf of Mannar
3. Barrier reef : C. Lakshadweep
4. Atoll : D. Nicobar

Choose the correct option

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

Ans: A



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Exp:

Fringing reef which grows seaward directly from the shore.

When a fringing reef continues to grow upward from a volcanic island that has sunk entirely below sea level, an atoll is formed. Atolls are usually circular or oval in shape, with an open lagoon in the center. Barrier reefs are similar to fringing reefs in that they also border a shoreline; however, instead of growing directly out from the shore, they are separated from land by an expanse of water. This creates a lagoon of open, often deep water between the reef and the shore.

QUESTION : Identify the correct sequence of Great Lakes of USA from East to the west

- (a) Huron - Michigan - Ontario - Superior - Erie
- (b) Superior - Ontario - Erie - Michigan - Huron
- (c) Michigan - Ontario - Erie - Superior - Huron
- (d) Erie - Superior - Huron - Michigan – Ontario

Answer: B

QUESTION : Choose the correct statements regarding alluvial soils:

1. Coarse alluvial soils are more common in piedmont plains such as Duars, Chos and Terai.



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2. These soils contain adequate proportions of potash, phosphoric acid and lime.

- a) Only 1 is correct.
- b) Only 2 is correct
- c) Both 1 and 2 are correct
- d) Neither 1 nor 2.

Ans: C

Exp:

The alluvial soil consists of various proportions of sand, silt and clay.

As we move inland towards the river valleys, soil particles appear somewhat bigger in size.

In the upper reaches of the river valley i.e. near the place of the break of slope, the soils are coarse. Such soils are more common in piedmont (foot of mountains) plains such as Duars, Chos and Terai.

According to their age alluvial soils can be classified as old alluvial (Bangar) and new alluvial (Khadar). The bangar soil has higher concentration of kanker nodules than the Khadar. Khadar soil has more fine particles and is more fertile than the bangar.

Alluvial soils as a whole are very fertile.

Mostly these soils contain adequate proportion of potash, phosphoric acid and lime which are ideal for the growth of sugarcane, paddy, wheat and other cereal and pulse crops.



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Due to its high fertility, regions of alluvial soils are intensively cultivated and densely populated.

Soils in the drier areas are more alkaline and can be productive after proper treatment and irrigation.

QUESTION : Consider the following regarding the 'Roaring forties'

1. They blow uninterrupted in the northern and southern hemispheres.
2. They blow with great strength and constancy
3. Their direction is generally from north-west to east in the southern hemisphere
4. Overcast skies, rain and raw weather are generally associated with them

Which of these statements are correct?

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

Answer:B

Exp:



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The Roaring forties blows in 40°S to 50°S, so this wind blows only in south hemisphere because there is less land mass to slow then down. It is a strong wind in South Indian Ocean.

QUESTION : Match the following

1. Crust and outer mantle A. Moho Discontinuity
2. Outer core and inner core B. Lehman Discontinuity
3. Outer mantle and inner mantle C. Repetti Discontinuity
4. Inner mantle and outer core D. Gutenberg Discontinuity

Options:

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

Answer: A

QUESTION : Consider the following statements:



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1. Westerlies winds blow only in winter season whereas Easterlies winds blow throughout the year.
2. The shift of Inter Tropical Convergence zone to the North part of the Equator is responsible for absence of Westerlies in summer.

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

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

Ans: D

Exp:

Both Westerlies and Easterlies are permanent winds, blows constantly throughout the year. These winds are caused by pressure difference and brings rains to the land mass which are helpful for the cultivation of crops.

QUESTION : Which of the following is/are true about “Harmattan”?

- a) Cool, extremely dry wind that forms over the Sahara and blows westward or south-westward to the African coast.
- b) wind that blows during the dry season from December to February.
- c) Tertiary wind that carry great quantities of fine dust from the Sahara.
- d) All of the above



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Ans: D

Exp:

The largest glacial bodies, ice sheets or continental glaciers, cover more than 50,000sq.km. Several kilometers deep, they obscure the underlying topography. Only nunataks protrude from the surface. The only extant ice sheets are the two that cover most of Antarctica and Greenland. These regions contain vast quantities of fresh water. The volume of ice is so large that if the Greenland ice sheet melted, it would cause sea levels to rise six meters (20 ft) all around the world. If the Antarctic ice sheet melted, sea levels would rise up to 65 meters (210 ft).

QUESTION : Consider the following statements and identify the right ones.

1. The gradual dissipation of the frontal zone is called frontogenesis.
2. The process by which two air masses of different physical characteristics are brought together is frontolysis.

Code:

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

Ans: D



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Exp:

The gradual dissipation of the frontal zone is called frontolysis. The process by which two air masses of different physical characteristics are brought together is Frontogenesis and it leads to the formation of a temperate cyclone.

QUESTION : Consider the following statements:

1. The Caucasus Mountains run between the Black sea and the Caspian sea.
2. The Kamchatka peninsula lies between Black sea to the east and the sea of Okhotsk to the west. Which of the above given statement(s) is/are correct?

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

Ans: A

Exp:



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The Kamchatka peninsula is a 1,250 km peninsula in the Russian far east. It lies between the Pacific Ocean to the east and the Sea of Okhotsk to the west. Immediately offshore along the pacific coast the peninsula runs the 10,500m deep Kuril-Kamachatka trench. The Caucasus mountains are a mountain system in Eurasia between the Black sea and the Caspian Sea in the Caucasus region.

QUESTION : If there were no Himalayan ranges, what would have been the most likely geographical impact on India?

1. Much of the country would experience the cold waves from Serbia.
2. Indo-Gangetic plain would be devoid of such extensive alluvial soils.
3. The pattern of monsoon would be different from what it is at present.

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

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

Ans: D

Exp:

Siberian cold winds would have no barrier without Himalayas.



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Alluvial soils of North India owe their origin to Shiwalik range of the Himalayas.

Without Himalayas, monsoon winds would not be deflected towards North India.

QUESTION : Consider the following regarding the expansion of the desert in Rajasthan:

1. The Predominant wind direction in Rajasthan is North-East to South- west, so the tendency for desertification has been more in that direction.
2. The Thar Desert is dominantly a monsoon driven sand desert where wind erosion is a major problem during the summer months.

Select the correct answer using the codes given below:

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

Ans: C

QUESTION : 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?



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1. High and dry winds would blow outward from this high pressure area.
2. The Northern plain would become cold.
3. Scorching winds (locally called loo) would blow during the day time.
4. There would be torrential rains brought by thunderstorms.

Select the correct answer using the codes given below:

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

Ans: A

Exp:

A striking feature of the hot weather season is the 'loo'. These are strong, gusty, hot, dry winds blowing during the day over the north and north-western India.

QUESTION : Tank irrigation is practiced mainly in Peninsular India. What is/are the reason(s)?

1. Undulating relief and hard rocks made it difficult to dig canals and wells.



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2. Rivers are rain-fed.

3. Of compact nature of population and agricultural fields.

Select the correct answer using the codes below:

a) Only 1 and 2

b) Only 2 and 3

c) Only 1 and 3

d) All of the above

Ans: A Exp:

The undulating relief and hard rock's make it difficult to dig canals and wells.

There is little percolation of rain water due to hard rock structure and ground water is not available in large quantity.

Most of the rivers of this region are seasonal and dry up in summer season. Therefore, they cannot supply water to canals throughout the year.

There are several streams which become torrential during rainy season. The only way to make best use of this water is to impound it by constructing bunds and building tanks. Otherwise this water would go waste to the sea.

The scattered nature of population and agricultural fields also favours tank irrigation.



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QUESTION : Consider the following pairs:

1. Zoji la -- Pir Panjal
2. Banihal -- Greater Himalaya
3. Photu la -- Zaskar
4. Khardung la -- Ladakh Range

Which of the above pairs are correctly matched?

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

Ans: D

Exp:

ZojiLa on the Great Himalayas, Banihal on the Pir Panjal, Photu La on the Zaskar and Khardung La on the Ladakh range.

QUESTION : Consider the following statements:

1. Regolith is the input for the soil formation.



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2. Piedmont deposits in the subpolar conditions are called Felsenmeer.

3. Temperature related expansion and cooling of rocks produces spalling effect in deserts.

Which of the above is/are correct?

a) Only 1 and 2

b) Only 2 and 3

c) Only 3 and 1

d) All of the above

Ans: D

Exp:

Regolith: It is a layer of loose, heterogenous superficial material covering solid rock. It includes dust, soil, broken rock etc. It is the basic material for the formation of soil. **Piedmont** is a landform created at the foot of a mountain by debris deposited by shifting streams. **Felsenmeer** are exposed rock surface that have been quickly broken up by frost action so that much rock is buried under a cover of angular shattered boulders. These mantles principally occur in arctic regions and high mountain areas.

QUESTION : 1. Pycnocline is a layer where is sharp change in density in the vertical section of seawater



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2. Mediterranean sea has high salinity than Atlantic Ocean.

3. Salinity in Arabian Sea is higher than Bay of Bengal.

4. High salinity of ocean is found in Equatorial region due to intense evaporation.

Choose the correct code from given below:

a) Only 1, 2 and 4

b) Only 1, 3 and 4

c) Only 1, 2 and 3

d) All the above

Ans: C

Exp:

Regions of high salinity sea water are centered around 30° north and 30° south of the equator because of excess evaporation in these regions. Being nearly landlocked affects conditions in the Mediterranean Sea: for instance, tides are very limited as a result of the narrow connection with the Atlantic Ocean. Evaporation greatly exceeds precipitation and river runoff in the Mediterranean, a fact that is central to the water circulation within the basin. That's why Mediterranean Sea has high salinity. Salinity near the surface in the Arabian Sea is much higher than in the Bay of Bengal because evaporation over the Arabian Sea is much greater and it receives relatively less river runoff.



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QUESTION : 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 below:

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

Ans: D

Exp:

The spate of farmers’ suicides that has been occurring in the different parts of the country since 1997-98 can be linked to the “agrarian distress” caused by structural changes in agriculture and changes in economic and agricultural policies. These include: the changed pattern of landholdings; changing cropping patterns especially due to the shift to cash crops; liberalisation policies that have exposed Indian agriculture to the forces of globalisation; heavy dependence on high-cost inputs; the withdrawal of the state from



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agricultural extension activities to be replaced by multinational seed and fertiliser companies; decline in state support for agriculture; and individualisation of agricultural operations.

QUESTION : Which of the following statements is/are wrong?

1. Glaciers and ice-sheets may deposit a widespread mantle of unsorted fluvio-glacial sands and gravels in the outwash plain or may drop boulder clay to form a till plain or drift plain.
2. Winds may blow Aeolian deposits very fine particles known as loess from interior deserts or barren surfaces and deposit them upon hills, valleys or plains forming a Loess plateau.
3. In glaciated regions glaciers and ice-sheets scoured and leveled the land forming ice-sourced plains. Code:
 - a) 1 and 2 only
 - b) 1 and 3 only
 - c) 2 and 3 only
 - d) None of the above

Ans: D

QUESTION : Consider the following statements:



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1. Estuarine coasts are regions of diverged coastal lowlands.
2. Estuarine coasts with their non- silted entrances and tidal effects act as natural ports.

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None

Ans: B

Exp:

Estuarine coast are submerged coastal lowlands. And they have many natural ports in the world like Kandla port in India.

QUESTION : Consider following about Brahmaputra river:

1. Its source lies near the source of Indus River.
2. It is called as Tsangpo River in Tibet region.
3. It takes a hairpin bend at Namcha Barwa Mountain in Arunachal Pradesh.
4. Barak River which flows through Manipur and Mizoram reaches Brahmaputra in Assam.



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Choose the correct statements

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

Ans: C

Exp:

Brahmaputra and Indus have sources nearby Manasarovar lake in Tibet region. Namcha Barwa Mountain is located in Tibet region and not in Arunachal Pradesh. Barak River is not a tributary of Brahmaputra river system.

QUESTION : Which of the following statements are true about Majuli Island?

1. It is the second largest river island in the world after Marajo in Brazil.
2. It is bounded by river Subanisri and her tributaries on the North West, the kherkatia Suli in the northeast and Brahmaputra in the south.

- a) Only 1
- b) Only 2



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c) Both 1 and 2

d) None of the above

Ans: B

Exp:

The biggest river island in the world, Majuli is located on the river Brahmaputra in Assam and is formed by Brahmaputra in the south and the Kherkutia Xuti joined by the river Subansiri in the north.

QUESTION : Ocean currents moving from the equatorial region towards the Poles are known as warm currents, while currents that flow towards the equator from Polar areas are termed as Cold currents. Pick out names of the cold currents from the list given below:

1. Gulf stream
2. Labrador current
3. Benguela current
4. Falkland current
5. Kuroshio current
6. Oyashio current

Code:



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

Answer: C

QUESTION : Which of the following is wrongly matched?

- a) NH-6 : divides India into North and South
- b) NH-5 : along Eastern coast
- c) NH-17 : along Western coast
- d) NH-9 : Bhopal to Hyderabad

Answer : D

Exp: NH-9 - between Pune and Machilipatnam.

QUESTION : Which of the following is wrongly matched?



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Forest : Species

- a) Tropical Wet Evergreen : Aini, Semul, Rosewood and Kusum
- b) Swamp : Agar, Bhendi and Amur
- c) Tropical Dry Evergreen : Khirni, Jamun and Tamarind
- d) Tropical Thorn : Khair, Babul and Neem

Answer: A

Exp:

Tropical semi evergreen – Aini, Semul, Rosewood and Kusum.

QUESTION : Which of the following is/are correctly matched?

Passage : Separates

1. Duncan Passage : Lakshadweep and Maldives
2. 8 degree channel : Andaman and Nicobar Islands
3. 10 degree channel : South Andaman and Little Andaman



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4. Great channel : Indonesia and Andaman & Nicobar Islands

Select the correct answer from the codes given below:

Codes:

- a) 1, 2, 3 and 4
- b) 2 and 3
- c) 4 only
- d) None

Answer: C

QUESTION : Petroleum and coal are mineral fuels which are derived from the buried animal and plant life. Consider the following statements in this regard and choose the correct ones.

1. About 80 percent of the coal deposits in India are bituminous type and are of non-coking grade
2. Bituminous is the highest quality hard coal.
3. Petroleum is referred to as liquid gold because of its scarcity and diversified use.

Code:

- a) 1 only



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b) 2 and 3

c) 1 and 2

d) 1 and 3

Answer: B

QUESTION : Identify the type of vegetation with the following information?

1. This forest are restricted to heavy rainfall areas of Western ghats and the Island groups of Lakshadweep, Andaman and Nicobar, upper parts of Assam and Tamil Nadu
2. The trees reach great height up to 60 metres or even above
3. Some of the commercially important trees of this forest are ebony, Mahagony, Rosewood, Rubber and Cinchona
4. The one-horned rhinoceros are found in the jungles of Assam and West Bengal

Code:

- a) Tropical Evergreen Forest
- b) Tropical Dry Deciduous Forest
- c) The Thorn Forests and Scrubs
- d) Tropical Moist Deciduous Forest



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Answer: A

QUESTION : Match the following:

List-I

- A. Open Cast Mining
- B. Shaft mining
- C. Drilling
- D. Quarrying

List-II

1. Deep bores to reach minerals at great depth.
2. Digging out of minerals near the surface.
3. Minerals at shallow depth taken out by removing the surface layer.
4. Boring deep wells to take out minerals from far below the earth's crust.

Code: A B C D

a) 3 2 4 1



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b) 4 2 3 1

c) 1 4 3 2

d) 3 1 4 2

Answer: D

QUESTION : Ocean floor is not just a vast plain but is full of relief. Consider the following statements regarding the ocean floor configuration that help us in understanding the distribution of continents and oceans:

1. The mid-oceanic ridges are the most active in terms of volcanic eruptions and is much younger than the continental areas
2. Abyssal plains form the transition between the continental shores and deep sea basins
3. Continental Margins does not include the deep oceanic trenches

Which among the above is/are correct?

a) 2 and 3

b) 1 only

c) 2 only

d) 1 and 3

Answer: B



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Exp:

Continental Margins for the transition between continental shores and deep sea basins. Margins include continental shelf, continental slope, continental rise and deep-oceanic trenches. The deep-sea trenches are the areas of considerable interest in so far as the distribution of oceans and continents is concerned. Abyssal plains are extensive plains that lie between the continental margins and mid-oceanic ridges. They are the areas where the continental sediments that move beyond the margins, get deposited. Mid-oceanic ridges are the longest mountain chain on the earth's surface though submerged under the oceanic waters. It has a central rift system at the crest which is the zone of intense volcanic activity.

QUESTION : India has inland navigation waterways of 14500 km in length. Out of these only 3700 km are navigable by mechanized boats. Which among the following is/are correct about Inland Waterways in India:

1. The Brahmaputra river between Sadiya and Dhubri (891 km) is National Waterways-1
2. The Ganga river between Allahabad and Haldia (1620 km) is National Waterways-2
3. The West Coast Canal in Kerala (Kottapuram-Komman, Udyogmandalam and Champakkara Canal-205 km) is National Waterways -3.

Code:

- a) 1 only
- b) 2 only



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c) 3 only

d) All of the above

Answer: C

QUESTION : Which of the following statement/s are correct about ENSO?

1. The presence of El Nino leads to an increase in sea-surface temperatures and weakening of the trade winds in the region.
2. The Southern Oscillation refers to variations in the temperature of the surface of the tropical eastern Pacific Ocean, and in air surface pressure in the tropical western Pacific.

Code:

a) 1 only

b) 2 only

c) Both 1 and 2

d) Neither 1 nor 2

Answer: C

Exp:



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Normally when the tropical eastern south-pacific ocean experiences high pressure, the tropical eastern Indian Ocean experiences low pressure.

QUESTION : Kashmir Himalayas, comprising of Karakoram, Ladakh, Zaskar and Pir Panjal Ranges, have some important passes.

Match the following in List-I and List-II and select the correct answer according to the codes given below:

A. Khardung La 1. Great Himalayas

B. Banihal 2. Zaskar

C. Zoji La 3. Ladakh

D. Fotu La 4. Pir panjal

Code: A B C D

a) 2 4 3 1

b) 3 4 1 2

c) 4 2 1 3

d) 1 2 3 4

Answer: B



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QUESTION : Consider the following statement/s:

1. Extra-Peninsular rivers generally have large basin areas
2. River capturing is a common phenomenon in the peninsular river system
3. Most of the Indian rivers have consequent drainage system with dendritic pattern

Choose the correct ones:

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

Answer: A

Exp:

Stream capture, river capture, or stream piracy is a geomorphologic phenomenon occurring when a stream or river drainage system or watershed is diverted from its own bed, and flows instead down the bed of a neighboring stream. River capturing is a common phenomenon among the Himalayan Rivers.

QUESTION : Which among the following statement is not correct?



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- a) The deepest point is the challenger deep in Mariana Trench which plunges 10,990m into the Earth's crust
- b) Less than 3% of the Earth's water is fresh
- c) Europe is the only continent which lies entirely in the Northern Hemisphere
- d) December 21 is the longest day in the Southern Hemisphere

Answer: C

Exp:

Apart from Europe, North America also lies in Northern Hemisphere.

QUESTION : Matriarchical system in India is found among which of the following Castes/Tribes:

1. Bhils
2. Nairs
3. Khasis
4. Nagas
5. Meena

Choose the correct ones:



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

Answer: A

QUESTION : Which among the following can be considered as proof of Earth's sphericity?

1. Voyage of different travellers around the world.
2. When your friend approaches from a distance you are able to view his lower body first.
3. If you drive poles equidistant, into the ground equally, there is difference in their height.

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

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

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Ans (b)

Statement 1 is correct. The first direct demonstration of Earth's sphericity came in the form of the first circumnavigation in history, an expedition captained by Portuguese explorer Ferdinand Magellan. No traveller going round the world by land or sea has ever encountered an abrupt edge, over which he would fall. Thus, voyages of different travelers in the past proved that the sphericity of the Earth.

Statement 2 is incorrect. When a person approaches another person from a distance the second person will be able to view the first person's upper body first.

Statement 3 is correct. It is observed that engineers when driving poles of equal length at regular intervals on the ground have found that they do not give a perfect horizontal level. The centre pole normally projects slightly above the poles at either end because of the curvature of the earth.

QUESTION : 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



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b) 1 and 3

c) 2 only

d) 2 and 3 only

Answer: b

Erosion by glaciers is tremendous because of friction caused by sheer weight of the ice. A lake of water seen quite often within the cirques after the glacier disappears is called cirque lake or Tarn lake. Drumlins are smooth oval shaped ridge like features mainly composed of glacial till. Moraines are long ridges of deposits of glacial till.

QUESTION : Which of the following is/are favourable condition (s) for formation of Tropical Cyclones?

- 1) Large sea surface with temperature between 20 - 25° C.
- 2) Presence of the Coriolis force.
- 3) Small variations in the vertical wind speed.
- 4) A pre-existing weak low-pressure area or low-level cyclonic circulation.
- 5) Upper divergence above the sea level system.

Select the correct answer using the code given below.

a) 1, 2, 3, 4 and 5



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b) 1, 2, 3 and 4

c) 2, 3, 4 and 5

d) 1, 3, 4 and 5

Answer: C

Statement 1 is incorrect. For the formation of Tropical Cyclones the sea surface temperature should be higher than 27° C.

A tropical cyclone is an intense low pressure area or a whirl in the atmosphere over tropical or sub-tropical waters, with organized convection (i.e. thunderstorm activity) and winds at low levels, circulating either anticlockwise (in the northern hemisphere) or clockwise (in the southern hemisphere). From the centre of a cyclonic storm, pressure increases outwards. The amount of the pressure drop in the centre and the rate at which it increases outwards gives the intensity of the cyclones and the strength of winds.

QUESTION : 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 statement/s using the code given below:

a) 1 and 2 only



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b) 1 and 3 only

c) 2 and 3 only

d) 1, 2 and 3

Answer: D

Statement 1 is correct. Tides are stable and can be predicted. They are due to the position of the Sun, Moon and the Earth.

Statement 2 is correct. A wave's size and shape reveal its origin. Steep waves are fairly young ones and are probably formed by local wind. Slow and steady waves originate from faraway places, possibly from another hemisphere. The maximum wave height is determined by the strength of the wind, i.e. how long it blows and the area over which it blows in a single direction.

Statement 3 is correct. Warm currents bring warm water into cold water areas [low to high latitudes] and are usually observed on the east coast of continents in the low and middle latitudes true in both hemispheres). In the northern hemisphere they are found on the west coasts of continents in high latitudes.

QUESTION : With reference to 'fuel cells' in which hydrogen-rich fuel and oxygen are used to generate electricity, consider the following statements

1. If pure hydrogen is used as a fuel, the fuel cell emits heat and water as by-products.
2. Fuel cells can be used for powering buildings and not for small devices like laptop computers.
3. Fuel cells produce electricity in the form of Alternating Current (AC).



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Which of the statements given above is / are correct?

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

Answer: a

Statement 1 is correct. The fuel cell emits heat and water as byproducts.

Statement 2 is incorrect. Fuel cells can be used for powering small devices like laptop computers. The purpose of a fuel cell is to produce an electrical current that can be directed outside the cell to do work, such as powering an electric motor or illuminating a light bulb or a city.

Statement 3 is incorrect. Fuel cells produce electricity in the form of Alternating Current (AC) and Direct Current (DC). If Alternating Current (AC) is needed, the DC output of the fuel cell must be routed through a conversion device called an inverter.

QUESTION : The distinction between seasons almost decreases to nil as one moves from the Tropics to the Equator. This phenomenon is due to

- a) Almost vertical position of the Sun at noon on the equator throughout the year



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- b) Ocean currents converging at the Equator moderate the temperature
c) Trade Winds have a mildening effect at the Equator d) None of the above

Answer: A

Seasons occurs because of the differences in the temperature caused by earth's orbit around the sun. The axis of the earth's rotation is tilted about 23.5 degree relative to its' orbital axis.

QUESTION : Consider the following statements.

1. Fringing reef is a coral reef lying close to the shore.
2. Atolls are similar to barrier reefs in shape.
3. Barrier reef is separated from the coast by a much wider and deeper channel or lagoon.

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

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

Answer: B



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Fringing reef is a coral reef that lies close to the shore. Hence, the statement 1 is correct. Atoll-is a ring-shaped reef, island, or chain of islands formed of coral. Hence, the statement 2 is incorrect. Barrier reefs are extensive linear reef complexes that parallel a shore, and are separated from it by lagoon. Hence, the statement 3 is correct.

QUESTION : Which among the following is the reason for seen excessive growth of planktons in region where cold and warm ocean currents meet?

- a) It has a balancing effect on the temperature of sea surface.
- b) It helps increase the photosynthetic activity of planktons
- c) It leads to upwelling of nutrient rich water from depth of water bodies
- d) None of the above

Answer: C

Mixing of warm and cold currents help to replenish the oxygen and water brings up nutrients that nourish new growth of plankton.

QUESTION : Which among the following are incorrectly matched?

- a) Isobars – Lines joining places of equal pressure
- b) Isohyte– Lines joining places of equal salinity in ocean.
- c) Isotherm– Lines joining places of equal temperature.



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d) Isotach – Lines joining places of the same wind speed.

Answer: B

Isohyte line on a map connecting points having the same amount of rainfall in a given period. Isohalines are lines that join points of equal salinity in an aquatic system.

QUESTION : Which among the following is the lake formed by volcanic activity

1. Crater Lake
2. Sea of Galilee
3. Lake Toba
4. Myvtan Lake

Select the correct answer using the codes given below.

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

Answer: D



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All these lakes are formed by volcanic activity. Crater Lake is a caldera lake in the western United States, located in south-central Oregon. Lake Toba is a large natural lake occupying the caldera of a super volcano, located in the middle of the northern part of the Indonesian island of Sumatra.

QUESTION : Which among the following is an incorrect statement?

- a) Valleys are a type of erosional landforms.
- b) Point Bars are type of depositional landforms.
- c) Meander is only a type of channel pattern.
- d) River Terraces are a type of depositional landform.

Answer: D

River Terraces River terraces are abandoned floodplains that formed when a river flowed at a higher level than it does today. Thus, these are the surfaces that mark an old valley floor or floodplain levels. Valleys are a type of erosional landforms. Point bars are known as meander bars. They are depositional landforms found on the convex side of meanders of large rivers and sediments deposited in a linear fashion by flowing waters along the banks. Meander is not a landform but only a type of channel pattern.

QUESTION : Consider the following statements regarding the weathering by the mechanism of mass movements. 1. Solifluction is a common phenomenon in moist temperate areas.



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2. Debris avalanche is a characteristic of dry regions.

3. Landslides takes place in material relatively drier than ones which trigger mudflow.

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

a) 1 and 2 only

b) 2 and 3 only

c) 1 and 3 only

d) 1, 2 and 3

Answer: C

Solifluction involves slow downslope flowing soil mass or fine grained rock debris saturated or lubricated with water. It is common in moist temperate areas. Debris Avalanches is characteristic of humid regions with or without vegetation and occurs in narrow tracks on steep slopes. It can be much faster than mud flow. Mud flow- is also a type of rapid movement which occurs in absence of vegetation cover and with heavy rainfall. Landslide – are relatively rapid here materials involved are relatively dry.

QUESTION : Consider the following statements.

1. Large sized crystals are characteristic of Plutonic rocks.

2. Layer formation is characteristic of Sedimentary rocks.



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3. Rocks undergoing recrystallization transforms into metamorphic rocks.

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

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

Answer: D

In plutonic rocks, magma cools slowly and the crystals have time to grow large. They can grow very large indeed in a very slow cooling . The rock with the largest crystals . On the other hand in volcanic rocks, lava erupted by a volcano immediately hits open air or even water and begins to cool quickly. Crystals do not have time to grow to any significant size .

QUESTION : Which among the following sets of pair are correctly matched?

1. Fledspar – used in ceramics and glass making industry.
2. Pyroxene – commonly found in meteorites
3. Quartz – soluble in water.
4. Olivine – is often found in basaltic rocks.



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Select the correct answer using the codes given below.

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

Answer: C

Some major minerals are- Feldspar half the earth's crust is composed of this. Silicon and oxygen are common in all types of feldspar. It is used in ceramic and glass making industry. Quartz- components are sand and granite. It is a hard mineral virtually insoluble in water. Used in radio and radar. Pyroxene- it is commonly found in meteorites. Olivine- used in jewellery. Usually greenish crystal, often found in basaltic rocks.

QUESTION : Which among the following are the evidences in support of the Continental Drift Theory?

- a) The belt of ancient rocks from Brazil Coast matches with those from western Africa.
- b) Presence of Tillite in India, Africa, Madagascar, Falkland Island, Australia and Antarctica.
- c) Placer Deposits of gold in Ghana Coast even though source rock is absent.
- d) All of the above.

Answer: D

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Evidence in support of continental drift theory are – 1. Matching of continents – Shoreline of Africa and South America facing each other have remarkable similarity 2. Belt of ancient Rocks of Brazilian coast matches those from western Africa. 3. Tillite of Gondwana system in India, Africa, Australia , Antarctica , Madagascar and Falkland Island have overall resemblance. 4. Occurrence of gold deposits on the Ghana coast while presence of gold bearing veins in Brazil 5. Distribution of Fossils across continents eg observation that lemurs occur in India, Madagascar and Africa.

QUESTION : Which among the following is not the reason that Himalayas have no volcanoes?

- a) The subduction zone of Indian – Eurasian plate lie under Tibetan Plateau.
- b) Volcanoes are not found in areas where the plates are convergent in nature.
- c) The batholiths under Himalayas is way older in age than the event of plate collision between Indian and Eurasian plate.
- d) Continental collisions generally don't give rise to Vulcanism as there is absence of volcanic arc due to absence of water.

Answer: B

The Himalayas formed due to Continental collision between the Indian Plate and Eurasian Plate. The mountains themselves are actually a wedge of rock belonging to the Indian plate that are being 'bulldozed' by the Eurasian plate. Thus, the earthquakes in the Himalayas have nothing to do with volcanoes , rather they are to do with the collision between the two plates. The subduction zone for the Indian-Eurasian plate collision is located under the Tibetan Plateau. Hence, the answer is B.



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QUESTION : 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.

Answer: A

Option (a) is correct. New Zealand and Hawaii Island is divided by the International Date Line. By crossing the International Date Line from West to East, the person would lose 24 hours. When it is mid-night of 2nd on New Zealand side, it would be mid-night of the 1st on American side. Therefore, even after taking into account the few hours of journey time, the person would reach Hawaii on the previous calendar day.

QUESTION : Which among the following pairs is incorrectly matched?

- a) Geysers – superheated steam emitted out of surface like an explosion.



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- b) Hot Spring – heated water seeps inside earth surface, dissolves mineral and gain medicinal value.
- c) Sills – Horizontal intrusion of magma in bedding planes of Sedimentary rocks.
- d) Dykes – Vertical narrow walls of igneous rocks within the sedimentary layers.

Answer: B

A hot spring is a spring produced by the emergence of geothermally heated groundwater that rises from the Earth's crust. Water from hot springs has high mineral content, containing everything from calcium to lithium and even radium. Hence, the option (b) is incorrectly matched.

QUESTION : Corona bonds, recently seen in the news is issued by:

- (a) Royal Bank of Scotland
- (b) BRICS bank
- (c) New York Stock Exchange
- (d) European Investment banks

Ans: (D) European Investment banks

Corona bonds are joint debt issued to member states of the EU.

This would be mutualised debt, taken collectively by all member states of the EU.



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The funds would come from the European Investment Bank.

Countries like Italy, Spain which have suffered huge deaths due to Covid-19 are demanding such kind of economic measures from the EU to meet the extraordinary situation.

However, Germany, Netherlands, Austria and Finland, also known as the "Frugal Four", the fiscally conservative EU states have opposed such type of idea.

QUESTION : Recently, Gamosa was seen in the news. It is a:

- (a) A snack food from the North East.
- (b) A tribal art mostly created by the tribal people from the North Sahyadri Range in India
- (c) geometric line drawing widely practised by Hindu family.
- (d) A decorative cotton towel from Assam.

Ans: (d) A decorative cotton towel from Assam.

The Gamosa is an article of significance for the people of Assam. It is generally a white rectangular piece of cloth with primarily a red border on three sides and red woven motifs on the fourth.

Assam has traditionally had two types of gamosas — the ukaor plain kind used to wipe sweat or dry the body after a bath, and the phulam, which is decorated with floral motifs to be gifted as a memento or during festivals such as Bihu.



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

The gamosa's graph as a symbol of protest rose during the anti-foreigners Assam Agitation from 1979 to 1985. The extremist United Liberation Front of Asom too used the towel with "revolutionary" motifs.

The COVID 19 pandemic has made the ubiquitous gamosa, a decorative cotton towel, evolve from memento to mask.

QUESTION : What are the objectives of Pradhan Mantri Ujjwala Yojana (PMUY) scheme?

1. Reducing the number of deaths in India due to unclean cooking fuel.
2. Empowering women and protecting their health.
3. Preventing young children from significant number of acute respiratory illnesses caused due to indoor air pollution by burning the fossil fuel.

Correct codes:

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

Ans: (c) 1, 2 and 3

Objectives of the scheme are:



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

Empowering women and protecting their health.

Reducing the serious health hazards associated with cooking based on fossil fuel.

Reducing the number of deaths in India due to unclean cooking fuel.

Preventing young children from significant number of acute respiratory illnesses caused due to indoor air pollution by burning the fossil fuel.

QUESTION : Consider the following statements regarding Sovereign Gold Bond Scheme:

1. The sovereign gold bond was introduced by the Government in 2015.
2. The government introduced these bonds to ban gold imports.

Select the correct codes given below:

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

Ans: (a) 1 only

The sovereign gold bond was introduced by the Government in 2015.



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

The government introduced these bonds to help reduce India's over-dependence on gold imports.

The move was also aimed at changing the habits of Indians from saving in the physical form of gold to a paper form with Sovereign backing.

The Government of India, in consultation with the Reserve Bank of India, has decided to issue Sovereign Gold Bonds recently.

QUESTION : OBICUS survey on the manufacturing sector is often seen in the news. It is published quarterly by

- (a) National Sample Survey Office
- (b) Central Statistics Office
- (c) NITI Aayog
- (d) Reserve Bank of India

Ans: (d) Reserve Bank of India

OBICUS survey on the manufacturing sector is published quarterly by the RBI since March 2008.

It provides an insight into the demand conditions faced by the Indian manufacturing sector.

It covers over 2500 public and private limited companies in the manufacturing sector.

The company-level data collected during the survey are treated as confidential and never disclosed.

EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

The Reserve Bank of India has launched latest round of quarterly order books, inventories and capacity utilisation survey (OBICUS) of the manufacturing sector.

QUESTION : Consider the following statements regarding National List of Intangible Cultural Heritage (ICH) of India:

1. This initiative is a part of the Vision 2024 of the Ministry of Culture.
2. The list includes only Performing arts and Traditional craftsmanship.

Select the correct codes given below:

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

Ans: (a) 1 only

The National ICH List is an attempt to recognize the diversity of Indian culture embedded in its intangible heritage.

This initiative is also a part of the Vision 2024 of the Ministry of Culture.

Following UNESCO's 2003 Convention for Safeguarding of Intangible Cultural Heritage, this list has been classified into five broad domains in which intangible cultural heritage is manifested:



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

Oral traditions and expressions, including language as a vehicle of the intangible cultural heritage;

Performing arts;

Social practices, rituals and festive events;

Knowledge and practices concerning nature and the universe;

Traditional craftsmanship. It is initiated by Ministry of Culture.

QUESTION : Consider the following statements regarding Organisation of Islamic Cooperation (OIC):

1. It is the second largest intergovernmental organization after the United Nations.
2. Its Permanent Secretariat is in Jeddah, Saudi Arabia.
3. India is not a member of it.

Select the correct codes given below:

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



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

Ans: (d) 1, 2 and 3

Organisation of Islamic Cooperation is an international organization founded in 1969, consisting of 57 member states.

It is the second largest inter-governmental organization after the United Nations.

The organisation states that it is “the collective voice of the Muslim world” and works to “safeguard and protect the interests of the Muslim world in the spirit of promoting international peace and harmony “.

The OIC has permanent delegations to the United Nations and the European Union.

Permanent Secretariat is in Jeddah, Saudi Arabia.

The organisation of Islamic Cooperation (OIC) has criticised India for what it called “growing Islamophobia”.

OIC said, Muslim minorities are being “negatively profiled,” facing “discrimination and violence” amidst the COVID-19 crisis in India.

QUESTION : Sometimes, “Milk Tea Alliance” is seen in the news. It is related to:

- (a) Protest group against Brexit in the UK.
- (b) Non- Permanent members of UNSC.
- (c) Alliance of Tea and milk-producing states from South East Asia
- (d) Alliance of internet users from Thailand, Taiwan and Hong Kong

Ans: (d) Alliance of internet users from Thailand, Taiwan and Hong Kong.



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

It is a pro-democratic front formed by thousands of internet users from Thailand, Taiwan and Hong Kong in social networks against the authoritarianism of the Chinese Government and its supporters.

The informal movement began by defending itself against the insults of pro- Chinese twitter users against Thailand. It has now ended up forming a social network group to combat Chinese “propaganda”.

QUESTION : The scheme - Sujalam Sufalam Jal Sanchay Abhiyan has been initiated by:

- (a) Jharkhand
- (b) Maharashtra
- (c) Andhra pradesh
- (d) Gujarat

Ans: (d) Gujarat

QUESTION : Consider the following statements regarding Swamitva Yojana:

1. The scheme is piloted by the Panchayati Raj ministry.
2. Under this the residential land in villages will be measured using drones to create a non-disputable record.

Select the correct codes given below:



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

Ans: (c) Both 1 and 2

The scheme is piloted by the Panchayati Raj ministry.

The residential land in villages will be measured using drones to create a non-disputable record.

Property card for every property in the village will be prepared by states using accurate measurements delivered by drone-mapping. These cards will be given to property owners and will be recognised by the land revenue records department.

On Panchayati Raj Diwas (April 24th), the Prime Minister of India launched 'Swamitva Yojana' or Ownership Scheme to map residential land ownership in the rural sector using modern technology like the use of drones.

QUESTION : Select the correct statements regarding 'Polar Vortex' :

1. The polar vortex spins in the stratosphere.
2. It weakens in the summer and strengthens in the winter.

Correct Codes:



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

Ans: (c) Both 1 and 2

The polar vortex spins in the stratosphere.

Usually, when the vortex is strongest, cold air is less-likely to plunge deep into North America or Europe. In other words, it forms a wall that protects the mid-latitudes from cold Arctic air.

But occasionally, the polar vortex is disrupted and weakens, due to wave energy propagating upward from the lower atmosphere. When this happens, the stratosphere warms sharply in an event known as sudden stratospheric warming, in just a few days, miles above the Earth's surface.

The warming weakens the polar vortex, shifting its location somewhat south of the pole or, in some instances, 'splitting' the vortex up into 'sister vortices'.

Largest Ozone Hole Ever Recorded over North Pole Has Now 'Healed Itself' and Closed. This was announced by Scientists who were tracking the hole at Copernicus' Atmospheric Monitoring Service (CAMS).

The ozone hole became the largest one ever recorded in the Arctic region spanning an area of over 620,000 square miles (or 997793.28 kms). It was formed due to unusual climatic conditions.



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

QUESTION : Recently , Ruhdaar was seen in the news. It is a:

- (a) Low-cost mechanical ventilator
- (b) New Paddy Variety.
- (c) Online platform for consumer complaint redressal
- (d) Air force exercise between India and Israel.

Ans: (a) Low-cost mechanical ventilator

It is a low-cost mechanical ventilator to fight against COVID19.

Developed by IIT Bombay team.

The cost of production of one ventilator is Rs 10,000.

QUESTION : Consider the following statements

1. Hurricanes are cyclones in the West Indian islands in the Caribbean Sea and Atlantic Ocean.
2. Typhoons are cyclones in the China Sea and Pacific Ocean.
3. Tornados are cyclones in the north-western Australia.



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

Select the correct codes given below:

(a) 1 and 2 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

Ans: (a) 1 and 2 only

Cyclones are given many names in different regions of the world – They are known as typhoons in the China Sea and Pacific Ocean; hurricanes in the West Indian islands in the Caribbean Sea and Atlantic Ocean; tornados in the Guinea lands of West Africa and southern USA.; willy-willies in north-western Australia and tropical cyclones in the Indian Ocean.

The India Meteorological Department (IMD) has released a new list of names of tropical cyclones over north Indian Ocean including Bay of Bengal and Arabian Sea.

QUESTION : “Countries of particular concern”, recently seen in the news is a category in which among the following report?

(a) Global Inequality Index

(b) Ease of Doing Business Report

(c) U.S. Commission on International Religious Freedom



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

(d) World Economic Outlook

Ans: (c) U.S. Commission on International Religious Freedom

QUESTION : Consider the following statements regarding Norwegian Refugee Council:

1. It is an initiative by United Nations High Commissioner for Refugees.
2. It protects the rights of people affected by displacement which includes refugees and internally displaced persons.

Select the correct codes given below:

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

Ans: (b) 2 only

The Norwegian Refugee Council is a humanitarian, non-governmental organisation that protects the rights of people affected by displacement. This includes refugees and internally displaced persons who are forced to flee their homes as a result of conflict, human rights violations and acute violence, as well as climate change and natural disasters.



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

The Global Report on Internal Displacement (GRID 2020) has been recently released by the Internal Displacement Monitoring Centre (IDMC). The centre is a part of the Norwegian Refugee Council.

QUESTION : With reference to the Moon's subsurface, consider the following statements:

1. Recently European Space Agency's Lunar Reconnaissance Orbiter (LRO) spacecraft had found evidence that the Moon's subsurface might have greater quantities of metals such as iron and titanium than thought before.
2. The LRO's Mini-RF instrument was measuring an electrical property within lunar soil in crater floors in the Moon's northern hemisphere.

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

Answer: B

Explanation :

EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

In a new milestone in lunar exploration, NASA said that its Lunar Reconnaissance Orbiter (LRO) spacecraft had found evidence that the Moon's subsurface might have greater quantities of metals such as iron and titanium than thought before. The metallic distribution was observed by the Miniature Radio Frequency (Mini-RF) instrument aboard the LRO. The LRO's Mini-RF instrument was measuring an electrical property within lunar soil in crater floors in the Moon's northern hemisphere. The property, known as the dielectric constant, is the ratio of the electric permeability of a material to the electric permeability of a vacuum. The Mini-RF team observed that the level of this property increased as they surveyed larger craters, and kept rising in crater sizes up to 5 km in diameter. Beyond that size, the value of the dielectric constant levelled off. The finding could aid in drawing a clearer connection between Earth and the Moon. The most popular theory about the Moon's creation is that a Mars-sized protoplanet collided with newly formed Earth around 4.5 billion years ago, breaking off a piece of our planet that went on to become its satellite. The hypothesis is also backed by substantial evidence, such as the close resemblance between the Moon's bulk chemical composition with that of Earth. Hence only statement 2 is correct.

QUESTION : With reference to the Desert Locust situations according to Food and Agriculture Organization (FAO), consider the following statements:

1. An outbreak occurs when locusts rapidly increase in number and form groups, bands and swarms in an area of about 50 km by 50 km in one part of a country.
2. An upsurge usually occurs when locusts are able to breed uncontrolled for several successive seasons.

Which of the statements given above is/are correct?

A. 1 only



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

B. 2 only

C. Both 1 and 2

D. Neither 1 nor 2

Answer: C

Explanation :

India should remain on high alert against locust attack for the next four weeks, the Food and Agriculture Organization (FAO) has warned amid the country facing the worst locust attack in 26 years. The FAO has three categories of Desert Locust situations: outbreak, upsurge, and plague. The locust attack (2019-2020) has been categorised as an upsurge. The last major plague was in 1987-89 and the last major upsurge was in 2003-05.

QUESTION : Select the correct statements regarding Bay of Bengal Boundary Layer Experiment or BoBBLE?

1. It is a project funded by Union Ministry of Earth Sciences and the Natural Environment Research Council of UK.
2. It seeks to examine the impact of ocean processes in the Bay of Bengal (BoB) on the monsoon system.
3. It is funded by the World Bank.

Correct codes:

(a) 1 and 2 only



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

Ans: (a) 1 and 2 only

It is a joint India-UK project.

It seeks to examine the impact of ocean processes in the Bay of Bengal (BoB) on the monsoon system.

It is a project funded by Union Ministry of Earth Sciences and the Natural Environment Research Council of UK.

The Bay of Bengal (BoB) plays a fundamental role in controlling the weather systems that make up the South Asian summer monsoon system.

A team from Indian Institute of Science in Bengaluru and UK based University of East Anglia have created a blueprint for accurate prediction of monsoon, tropical cyclones and other weather-related forecast under the Bay of Bengal Boundary Layer Experiment or BoBBLE.

QUESTION : Consider the following statements regarding World Press Freedom Day 2020:

1. The theme of World Press Freedom Day 2020, “Journalism without Fear or Favour”.
2. It is organised and promoted by the United Nations, is observed annually on May 3.



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

Select the correct codes given below:

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

Ans: (c) Both 1 and 2

World Press Freedom Day popularly known as World Press Day is one of the calendar events planned, organised and promoted by the United Nations, is observed annually on May 3.

The day is celebrated to raise awareness regarding the importance of freedom of the press. The day is reflection among media professionals about issues of press freedom and professional ethics.

The theme of World Press Freedom Day 2020, “Journalism without Fear or Favour”

This year’s World Press Freedom Day has been observed recently.

QUESTION : With reference to Gilgit-Baltistan region, consider the following statements:

1. It borders China in the North, Afghanistan in the west, Tajikistan in the north west and Kashmir in the south east.
2. Gwadar Port is to be constructed in this region.



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

3. Three of the world's longest glaciers outside the polar regions are found in Gilgit-Baltistan.

Select the correct codes given below:

(a) 1 and 2 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

Ans: (c) 1 and 3 only

Located in northern Pakistan. It borders China in the North, Afghanistan in the west, Tajikistan in the north west and Kashmir in the south east.

It shares a geographical boundary with Pakistan-occupied Kashmir, and India considers it as part of the undivided Jammu and Kashmir, while Pakistan sees it as a separate from PoK.

China-Pakistan Economic Corridor (CPEC) also passes through this region.

Gilgit-Baltistan is home to five of the “eight-thousanders” and to more than fifty peaks above 7,000 metres (23,000 ft).

Three of the world's longest glaciers outside the polar regions are found in Gilgit-Baltistan.

The External Affairs Ministry issued a strong protest over an order by the Pakistan Supreme Court allowing the government to hold elections in the region of Gilgit-Baltistan of Pakistan-occupied Kashmir (PoK).



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

QUESTION : eCovSens, is often seen in the news. It is related to:

- (a) Electronic device for detecting temperature
- (b) Online platform for Volunteers engaged in Covid management.
- (c) Biosensor that can detect the novel coronavirus in saliva samples
- (d) Sterilizer solution developed by IIT Madras.

Ans: (c) Biosensor that can detect the novel coronavirus in saliva samples

It is a biosensor that can detect the novel coronavirus in saliva samples.

It has been developed by researchers from the National Institute of Animal Biotechnology (NIAB), Hyderabad.

The device gives results within 30 seconds using just 20 microlitres of the sample.

It is a recent development.

QUESTION : What is 'Compact XL', recently seen in news?

- A. India's first machine to automate the manual processes of molecular diagnostic tests such as RT-PCR tests for Covid-19.
- B. An assault rifle and a light machine gun (LMG)



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

C. A coaxial machine gun

D. None of the above

Answer: A

Explanation :

Pune-based molecular diagnostics company, Mylab Discovery Solutions has launched 'Compact XL' - India's first machine to automate the manual processes of molecular diagnostic tests such as RT-PCR tests for Covid-19. Compact XL is a compact bench-top machine that will automate lab processes from sample handling to preparing RT-PCR ready tubes. It is a cartridge-based machine and can test multiple samples at the same time. It can be used for a wide range of RNA/DNA-based tests including Covid-19 RT-PCR tests. The machine can take input of various sample types such as plasma, tissue, sputum and swab. Compact XL will replace the need of 700 sq ft of clean room lab with a 4x3 benchtop machine and reduce the need of 3-4 expert technicians to just one, saving operational costs for labs. Hence, option (A) is the correct answer.

QUESTION : Recently, Arktika-M satellite was seen in the news, it monitors the Arctic climate and environment. It will be launched by :

(a) North korea

(b) Japan

(c) U.S.A



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

(d) Russia

Ans: (d) Russia

Russia will be launching its first Arktika-M satellite to monitor the Arctic climate and environment later this year.

Russia's Arktika-M remote-sensing and emergency communications satellites will gather meteorological data in the polar regions of the Earth, which will allow to improve weather forecasts and will enable scientists to better study climate change.

QUESTION : Consider the following statements regarding Sample Registration System (SRS):

1. It is a demographic survey for providing reliable annual estimates of infant mortality rate, birth rate and death rate.
2. It is released by the Registrar General of India.

Select the correct codes given below:

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

Ans: (c) Both 1 and 2



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

The SRS is a demographic survey for providing reliable annual estimates of infant mortality rate, birth rate, death rate and other fertility and mortality indicators at the national and sub-national levels.

Initiated on a pilot basis by the Registrar General of India in a few states in 1964-65, it became fully operational during 1969-70.

The field investigation consists of continuous enumeration of births and deaths in selected sample units by resident part-time enumerators, generally anganwadi workers and teachers; and an independent retrospective survey every six months by SRS supervisors. The data obtained by these two independent functionaries are matched.

Sample Registration System (SRS) bulletin has been released by the Registrar General of India.

QUESTION : With reference to the mobile app 'Elyments', consider the following statements:

1. It is a new social media platform under Aatmanirbhar Bharat campaign.
2. The app is available in eight different regional languages.

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



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

Answer:C

Explanation :

An outbreak occurs when locusts rapidly increase in number and form groups, bands and swarms in an area of about 50 km by 50 km in one part of a country.

An upsurge usually occurs when locusts are able to breed uncontrolled for several successive seasons. This causes the formation of further hopper bands and adult swarms. This generally affects an entire region.

A plague is defined as a period of one or more years of widespread and heavy infestations, the majority of which occur as bands or swarms. A major plague exists when two or more regions are affected simultaneously.

Hence both statements are correct.

QUESTION : With reference to the Seabed 2030 Project, consider the following statements:

1. The project was launched at the United Nations (UN) Ocean Conference in 2017.
2. It is a collaborative project between the NASA and ISRO.

Which of the statements given above is/are correct?

A. 1 only

B. 2 only



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

C. Both 1 and 2

D. Neither 1 nor 2

Answer: A

Explanation :

The Nippon Foundation-GEBCO Seabed 2030 Project announced that it had finished mapping nearly one-fifth of the world's ocean floor. Since the launch of the project in 2017, the surveying of the ocean bed as per modern standards has gone up from around 6 per cent to 19 per cent. Seabed 2030 is a collaborative project between the Nippon Foundation of Japan and the General Bathymetric Chart of the Oceans (GEBCO). The project was launched at the United Nations (UN) Ocean Conference in 2017. It aims to bring together all available bathymetric data to produce the definitive map of the world ocean floor by 2030 and make it available to all. Knowing the depth and shape of the seafloor (bathymetry) is fundamental for understanding ocean circulation, fishing resources, sediment transport, environmental change, underwater geo-hazards, mineral extraction, oil and gas exploration etc. Hence only statement 1 is correct.

QUESTION : With reference to the Employees Provident Fund (EPF), consider the following statements:

1. Union Cabinet has given its approval for extending the Employees Provident Fund (EPF) contribution to 40% for another three months from June to August 2020 under Pradhan Mantri Garib Kalyan Yojana (PMGKY)/Aatmanirbhar Bharat.
2. Government will provide Budgetary Support of Rs.4800 crore for the year 2020-21 for this purpose.

Which of the statements given above is/are correct?



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

A. 1 only

B. 2 only

C. Both 1 and 2

D. Neither 1 nor 2

Answer: B

QUESTION : With reference to the Pradhan Mantri Garib Kalyan Anna Yojana (PMGKAY), consider the following statements:

Select the correct codes given below:

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

Ans: (c) Both 1 and 2

It is prepared annually by the Office of the United States Trade Representative (USTR) that identifies trade barriers to United States companies and products due to the intellectual property laws, such as copyright, patents and trademarks, in other countries.

It is published pursuant to Section 301 of the Trade Act of 1974.



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

The Report includes a list of “Priority Foreign Countries”, that are judged to have inadequate intellectual property laws; these countries may be subject to sanctions.

In addition, the report contains a “Priority Watch List” and a “Watch List”, containing countries whose intellectual property regimes are deemed of concern.

QUESTION : Consider the following statements regarding National Infrastructure Pipeline:

1. The project will play a significant role in fulfilling India’s goal of becoming a \$5 trillion economy by FY 2025.
2. The initiative aims to improve infrastructure project preparation and attract new investments both foreign and domestic
3. It includes both greenfield and brownfield projects.

Select the correct codes given below:

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

Ans: (d) 1, 2 and 3



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

It is a first-of-its-kind government exercise to pave the way for world-class infrastructure across the nation and improve the quality of life of the people.

The initiative aims to improve infrastructure project preparation and attract new investments both foreign and domestic.

The project will play a significant role in fulfilling India's goal of becoming a \$5 trillion economy by FY 2025.

NIP includes economic and social infrastructure projects.

It also includes both greenfield and brownfield projects.

The task force headed by Atanu Chakraborty on National Infrastructure Pipeline (NIP) has submitted its final report to the Finance Minister recently.

QUESTION : Consider the following statements regarding BharatMarket, which is often seen the news:

1. It is launched by SEBI.
2. It is an e-commerce marketplace for all retail traders in collaboration with several technology partners.

Select the correct codes given below:

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

(d) Neither 1 nor 2

Ans: (b) 2 only

QUESTION : Which of the following financial institutions and the Government of India recently signed a loan agreement to enhance support for the Namami Gange programme that seeks to rejuvenate the Ganga river?

- A. World Bank
- B. IMF
- C. New Development Bank
- D. Asian Development Bank

Answer: A

Explanation :

The World Bank and the Government of India signed a loan agreement to enhance support for the Namami Gange programme that seeks to rejuvenate the Ganga river.

The Second National Ganga River Basin Project (SNGRBP) will help stem pollution in the river and strengthen the management of the river basin which is home to more than 500 million people.

The SNGRBP will finance sewage networks and treatment plants in select urban areas to help control pollution discharges.

EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

The Project will build on the innovative Hybrid Annuity Model (HAM) of public private partnership introduced under the ongoing NGRBP.

Under this model, the government pays a private operator 40 % of the capital cost to build a sewage treatment plant during the construction period; the remaining 60 % is paid as performance-linked payments over 15 years to ensure that the operator runs and maintains the plant efficiently.

The World Bank has been supporting the government's efforts since 2011 through the ongoing National Ganga River Basin Project, which helped set up the National Mission for Clean Ganga (NMCG) as the nodal agency to manage the river, and financed sewage treatment infrastructure in several riverside towns and cities.

QUESTION : National Highways Authority of India (NHAI) is under which of the following Union Ministry?

- A. Ministry of Finance
- B. Ministry of Rural Development
- C. Ministry of Railways
- D. None of the above

Answer:D

QUESTION : Consider the following statements regarding One Nation-One Ration Card scheme:



EKLAVYA 360°PRELIMS PROGRAM – TEST 7 Explanation

1. This scheme is exclusively for migrant labourers.
2. The ration card will be in bi-lingual format, wherein besides the local language, the other language could be Hindi or English.

Select the correct codes given below:

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

Ans: (b) 2 only

One Nation One Ration Card (RC) will ensure all beneficiaries especially migrants can access PDS across the nation from any PDS shop of their own choice.

For national portability, the state governments have been asked to issue the ration card in bi-lingual format, wherein besides the local language, the other language could be Hindi or English.

The states have also been told to have a 10-digit standard ration card number, wherein first two digits will be state code and the next two digits will be running ration card numbers.