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# INSTA STATIC QUIZ QUESTIONS

## OCTOBER 2021

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## 1. Polity

1) Consider the following statements regarding Appropriation Bill.

1. Appropriation Bill allows the Central government to draw funds from the Public Accounts of India for its operational requirements.

2. Appropriation Bill is a money bill.

3. The defeat of an Appropriation Bill in the parliament would necessitate resignation of the government.

Which of the above statements is/are correct?

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

2) Consider the following statements regarding Contempt of Court.

1. Contempt of court acts as a reasonable restriction to the freedom of speech and expression under Article 19 of the Constitution.

2. It is mandatory for the Supreme Court to take Attorney General's consent in initiating a criminal contempt proceeding.

Which of the above statements is/are correct?

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

3) Consider the following statements regarding President's Rule.

1. In President's Rule, the Governor becomes the constitutional head of the state.

2. President's Rule can be extended for a maximum period of three years with the approval of the President.

3. In the last two years, President's Rule has not been imposed in any of the state or UTs.

Which of the above statements is/are correct?

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

4) The Constitution of India confers which of the following fundamental rights only to citizens of India?

- 1. Right to freedom of speech and expression
- 2. Right against discrimination under Article

15

3. Right to vote in elections to the Lok Sabha and state legislative assembly

4. Right to equality of opportunity in the matter of public employment

Select the correct answer code:

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

5) Which of the following elements of Rule of Law are applicable to the Indian System?

- 1. Equality before the law
- 2. Absence of arbitrary power
- 3. The primacy of the rights of the individual

Select the correct answer code:

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

6) Consider the following statements regarding Directive Principles.

- 1. They aim at establishing social and economic democracy in India.
- 2. They mainly promote the welfare of the individual and hence they are personal and individualistic.
- 3. The courts cannot uphold the validity of a law on the ground that it was enacted to give effect to Directive Principles.

Which of the above statements is/are correct?

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

7) Which of the following is not mentioned in the Constitution of India?

- a) Votes on Account
- b) Vote of Credit
- c) Exceptional grants
- d) All the above are mentioned in the Constitution

8) Which of the following provisions of the Constitution of India is/are amended by Special Majority of Parliament and Consent of States?

- 1. Representation of states in Parliament
- 2. Fundamental Rights and Directive Principles of State Policy
- 3. Goods and Services Tax Council

Select the correct answer code:

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

- 9) Consider the following statements.
1. Adjournment terminates the sitting of Parliament for an indefinite period.
  2. Only the Lok Sabha is subject to dissolution.
  3. The presiding officer is empowered to dissolve the Lok Sabha.

Which of the above statements is/are correct?

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

- 10) Consider the following statements.
1. The Constitution confers the Cultural and educational rights only to the citizens of India and denies the same to aliens.
  2. In India only a citizen by birth is eligible for the office of President.

Which of the above statements is/are incorrect?

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

## 2. Geography

- 1) Consider the following ecosystems.
1. Tropical evergreen
  2. Tropical deciduous
  3. Taiga
  4. Tundra

The correct sequence in decreasing order of the albedo values of these ecosystems is

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

- 2) Consider the following pairs regarding wind circulation.
1. Ferrel cell : Cell in the tropics
  2. Hadley Cell : Cell in the middle latitudes
  3. Polar cell : Cell in the polar region

Which of the above pairs is/are correctly matched?

- a) 1, 3

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

- 3) Consider the following statements regarding the effect of the latitude on temperature.

1. Isotherms are generally parallel to the latitude.
2. The deviation from the general trend of isotherms is more pronounced in July, especially in the northern hemisphere.
3. In the North Atlantic Ocean, the isotherms deviate to the north due to the presence of warm ocean currents, Gulf Stream and North Atlantic drift.

Which of the above statements is/are correct?

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

- 4) Consider the following statements regarding Aravalli Ranges.

1. They are one of the oldest fold mountains of the world and the oldest in India.
2. They are aligned in north-west to south-east direction.
3. Luni, Banas and Sahibi rivers flow from the Aravalli ranges.

Which of the above statements is/are correct?

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

- 5) Consider the following statements regarding Ocean Currents.

1. Ocean currents are the slow surface movement of water in the ocean.
2. Ocean currents are affected by the configuration of the ocean.
3. Ocean currents assist in maintaining the Earth's heat balance.

Which of the above statements is/are correct?

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

- 6) Consider the following statements regarding the characteristics of climate groups according to Koeppen.

1. Tropical – Average temperature of the coldest month is 18 degree C or higher.

2. Cold Climates – Average temperature for all months is below 10-degree C.

3. Dry Climates – Potential evaporation exceeds precipitation.

Which of the above statements is/are correct?

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

7) Consider the following statements regarding World Distribution of Sea Level Pressure.

1. High-pressure areas along 30° N and 30° S are known as the subtropical highs.

2. Near the poles the pressure is low and it is known as the polar lows.

Which of the above statements is/are correct?

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

8) Which of the following rivers flow through a rift valley?

- 1. Damodar
- 2. Mahanadi
- 3. Narmada
- 4. Tapi

Select the correct answer code:

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

9) Which of the following countries share its border with Black Sea?

- 1. Turkey
- 2. Romania
- 3. Greece
- 4. Georgia

Select the correct answer code:

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

10) Gondwana was formed when Earth's ancient supercontinent, Pangea was split into two fragments. It incorporated which of the following regions?

- 1. Asia
- 2. Africa
- 3. Europe
- 4. South America

Select the correct answer code:

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

11) In geological history of the earth, Panthalassa was a

- a) Super Continent present in Pre – Cambrian Era
- b) Super Ocean present in Pre – Cambrian Era
- c) Super Ocean present in Paleozoic to Mesozoic transition
- d) Super Continent present in Paleozoic to Mesozoic transition

12) Arrange the following elements of the Earth's crust in the decreasing order of their weights (in %).

- 1. Silicon
- 2. Iron
- 3. Aluminium
- 4. Calcium
- 5. Magnesium

Select the correct answer code:

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

13) The iron catastrophe was a postulated major geological event early in the history of Earth. It refers to

- a) Widespread dispersion of iron and nickel from the interior of the earth towards crust
- b) Large scale homogenization of Iron deposits due to repeated ice ages
- c) Erosion of minerals from earth's crust due to solar winds
- d) Sinking of heavy metals such as iron and nickel in the core during a geologically brief period.

14) Consider the following statements.

- 1. More diversity of landforms can be observed in oceans than continents.
- 2. Continental crust is denser than ocean crust.
- 3. Pacific Ocean is the largest ocean and it is almost equal to the area of all other oceans combined.

Which of the above statements is/are correct?

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

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15) According to Wegner, which among the following forces could be responsible for continental drift?

- a) Magnetic force emitted through the poles
- b) Magma Force
- c) Convection currents
- d) Tidal Force

16) The Earth's geomagnetic field is a combination of several magnetic fields generated by various sources superimposing on each other. These include

- 1. Movement of conducting material inside the Earth's core.
- 2. Electric current flowing in the ionized upper atmosphere.
- 3. Currents flowing within the earth's crust.

Select the correct answer code:

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

17) In addition to gravitational force, which of the following process can bring dynamic changes on earth's crust?

- 1. Volcanism
- 2. Biological activity
- 3. Electromagnetic radiation
- 4. Weathering
- 5. Rotation of the Earth

Select the correct answer code:

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

18) Consider the following statements.

- 1. Sedimentary rocks have very high susceptibility to magnetic field of earth.
- 2. Foliated metamorphic rocks are formed within the Earth's interior under extremely high pressures that are unequal in different directions.

Which of the above statements is/are correct?

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

19) Consider the following statements regarding Oceanic crust.

- 1. It is formed by an asteroid impact.

2. It is primarily composed of iron and magnesium compared to continental crust.  
Which of the above statements is/are correct?

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

20) Mid-ocean ridges occur along

- a) Convergent plate boundaries
- b) Divergent plate boundaries
- c) Transform plate boundaries
- d) All of the above

21) Consider the following statements.

- 1. The rocks equidistant on either side of the crest of mid-oceanic ridges show remarkable similarities in terms of period of formation, chemical compositions and magnetic properties.
  - 2. The age of the oceanic rocks decrease as one move away from the crest of mid-oceanic ridge.
- Which of the above statements is/are correct?

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

22) Western Cyclonic Disturbances

- 1. Occur mainly in the winter months in India
- 2. Causes tropical cyclones in the coastal belts of India
- 3. Mostly Influence the north and north-western regions of India

Select the correct answer code:

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

23) In deeper parts of oceans, primary production remains almost nil due to the absence of

- a) Ocean currents
- b) Upwelling of water
- c) Excess of sulphides
- d) Sunlight

24) Consider the following statements.

- 1. Bhangar and Khadar are old and new alluvium soils respectively.
  - 2. Bhur denotes an elevated piece of land situated along the banks of the Ganga river
- Which of the above statements is/are correct?

- a) 1 only
- b) 2 only

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- c) Both 1 and 2
- d) Neither 1 nor 2

25) Which of the following rivers does not drain into Bay of Bengal?

- 1. Mahi
- 2. Penner
- 3. Tapti

Select the correct answer code:

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

26) Which of the following evidences supported the continental drift?

- 1. Rocks of Same Age Across the Oceans
- 2. Jig-Saw-Fit of shorelines of Africa and South America
- 3. Placer Deposits
- 4. Tillite deposits

Select the correct answer code:

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

27) Consider the following statements regarding 'Savanna Climate'.

- 1. It is characterized by an alternate hot, rainy season and cool, dry season.
- 2. The Hausa tribes are found here.
- 3. Majority of the areas have lateritic soils which support good crops.

Which of the above statements is/are correct?

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

28) Ocean acts as a large carbon sink on earth due to

- 1. Its large geographical coverage
- 2. Difference in the partial pressure of carbon dioxide between seawater and air
- 3. Rich population of phytoplankton and seagrass

Select the correct answer code:

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

29) Consider the following mountain passes of Western India and the regions they connect.

- |                             |                 |
|-----------------------------|-----------------|
| 1. Nasik to Mumbai          | A. Thal         |
| 2. Mumbai to Pune           | B. Bhor         |
| 3. Puducherry to Tamil Nadu | C. Pal Ghat     |
| 4. Kodaikanal to Madurai:   | D. Senkota pass |

Select the correct answer code:

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

30) It is opined that in due course of time Indo-Brahma river was dismembered into many drainage systems. These include

- 1. Ganga and its Himalayan tributaries
- 2. The stretch of the Brahmaputra in Assam and its Himalayan tributaries
- 3. Indus and its tributaries

Select the correct answer code:

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

31) Consider the following statements regarding Red and Yellow Soil.

- 1. Red soil develops on crystalline igneous rocks in areas of low rainfall.
- 2. They are fertile when fine-grained and are poor in fertility when they are coarse-grained.
- 3. They are rich in nitrogen, phosphorous and humus.

Which of the above statements is/are correct?

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

32) Consider the following statements.

- 1. Block and Granular Disintegration type of weathering is carried out in desert regions.
- 2. Desert regions experience a large diurnal range of temperature.
- 3. Rocks having vertical joints are more susceptible to block disintegration type of weathering.

Which of the above statements is/are correct?

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

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33) Which of the following processes does not contribute to the enrichment of minerals in rocks?

1. Weathering of rocks
2. Erosional and depositional action of rivers

Select the correct answer code:

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

34) Delta formation will be greatly affected if

1. There are frequent tides on the coast.
2. The sea adjoining delta is shallow.
3. There is strong current running at right

angle to the river mouth

Select the correct answer code:

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

35) Consider the following statements regarding Karst topography.

1. Karst topography is commonly associated with carbonate rocks.
2. It occurs in temperate, tropical, alpine and polar environments.
3. karst systems are rarely vulnerable to ground water pollution as it acts as natural water filtration system.

Which of the above statements is/are correct?

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

36) Consider the following statements regarding Seafloor spreading.

1. Seafloor spreading is the result of mantle convection.
2. Seafloor spreading helps explain continental drift in the theory of plate tectonics.
3. Seafloor spreading occurs at both convergent and divergent plate boundaries.

Which of the above statements is/are correct?

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

37) Which of the following Earthquakes are generated due to sliding of rocks along a fault plane?

- a) Collapse earthquakes
- b) Explosion earthquakes
- c) Volcanic earthquake
- d) Tectonic earthquakes

38) Consider the following statements.

1. Estuaries are more favourable than deltas for the siting of large ports.
2. The west coast of India is both emergent and submergent.
3. The emergent coast is formed only during the uplift of the land.

Which of the above statements is/are correct?

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

39) Consider the following statements.

1. Glaciers form only on land.
2. Glaciers occupy less than 1 percent of the world's total land area.
3. Glacial ice is one of the largest reservoirs of fresh water on Earth.

Which of the above statements is/are correct?

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

40) Consider the following statements regarding *Piedmont glaciers*.

1. *Piedmont glacier* is a valley glacier which has spilled out onto relatively flat plains.
2. They spread out into a fan-like shape.

Which of the above statements is/are correct?

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

41) Consider the following statements regarding Pole fleeing force.

1. Pole fleeing force is caused due to the spinning of earth.
2. It is responsible for bulging at the earth's poles.

Which of the above statements is/are correct?

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

42) Consider the following statements.

1. Oceanic Crust is denser than Continental Crust.
2. Oceanic Crust is thicker than Continental Crust.
3. Both Oceanic Crust and Continental Crust has same chemical composition.

Which of the above statements is/are correct?

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

43) Consider the following statements regarding Plate tectonics.

1. Plate tectonics theory is contrary to continental drift theory.
2. It is the theory that Earth's outer shell is divided into several plates that glide over the mantle.
3. The driving force behind plate tectonics is convection in the mantle.

Which of the above statements is/are correct?

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

44) Consider the following statements.

1. The mid-oceanic ridge areas have deep-seated earthquake occurrences.
2. The ocean crust rocks are much younger than the continental rocks.
3. The rocks equidistant on either sides of the crest of mid-oceanic ridges show remarkable similarities in terms of period of formation, chemical compositions and magnetic properties.

Which of the above statements is/are correct?

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

45) The energy emanating from within the earth is the main force behind endogenic geomorphic processes. This energy is mostly generated by

1. Radioactivity inside the earth
2. Tidal friction
3. Primordial heat from the origin of the earth

earth

Select the correct answer code:

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

d) 1, 2, 3

46) Consider the following statements.

1. The largest volcano in our Solar System is found on Earth.
2. A volcanic eruption must be accompanied by an earthquake.

Which of the above statements is/are correct?

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

47) Consider the following statements regarding Composite Volcanoes.

1. These volcanoes are characterized by eruptions of cooler and more viscous lava.
2. These volcanoes often result in explosive eruptions.
3. Large quantities of pyroclastic material and ashes find their way to the ground.

Which of the above statements is/are correct?

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

48) Consider the following statements.

1. The Atlantic costs have many active volcanoes.
2. Hot spot volcanism occur at the boundaries of Earth's tectonic plates.
3. All *Hot springs* and geysers are related to volcanic activity.

Which of the above statements is/are incorrect?

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

49) Consider the following statements.

1. The distribution of earthquakes provides information about magma pathways and the structure of volcanoes.
2. Most volcanoes and earthquakes in the world are located at inter-junction of major mountains of the world.

Which of the above statements is/are correct?

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

50) Consider the following statements regarding Earthquake Waves.

1. P-waves move faster than S-waves.  
2. P-waves travel only through solid medium whereas S-waves travel through both solid and liquid medium.

3. The denser the material, the lower is the velocity of these waves.

Which of the above statements is/are correct?

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

51) Consider the following statements regarding White Dwarfs.

- 1. They are one of the densest forms of matter.
- 2. They can give an idea about the age of the Universe.
- 3. The heaviest stars turn into white dwarfs that have a gravity far exceeding black holes.

Which of the above statements is/are correct?

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

52) Consider the following statements.

- 1. Oceans store more carbon than the atmosphere.
- 2. Lithosphere has less carbon stored than the oceans.

Which of the above statements is/are correct?

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

53) Which of the following is responsible for the formation of fogs over oceans?

- a) Abundance of salt in air over the ocean
- b) Tropical winds passing over cooler waters
- c) Both a and b
- d) Neither a nor b

54) The amount of solar energy received at various parts of earth varies according to latitude because of

- 1. Dominance of water bodies
- 2. Bulge at equator and poles
- 3. Curvature of earth

Select the correct answer code:

- a) 1, 2

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

55) Consider the following statements:

- 1. The density of the atmosphere is maximum at the sea level and decreases rapidly as we go up.
- 2. The mountain climbers experience problems in breathing due to the decrease in the density of air.

Which of the above statements is/are incorrect?

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

56) Which of the following has the highest Albedo?

- a) Atmosphere
- b) Hydrosphere
- c) Lithosphere
- d) Cryosphere

57) The Sun is the source of all energy on Earth. Out of the total solar energy that reaches the earth's surface, most of it is used by plants for

- a) Photosynthesis
- b) Respiration
- c) Storage
- d) Cyclic passage through the tissues of

58) The Equator receives comparatively less insolation than the tropics, despite Sun being overhead throughout the year at the equator. This is due to

- a) Heavy cloudiness that reduces the amount of solar insolation at the equator
- b) Absence of Coriolis force at the equator
- c) Enhanced Greenhouse effect at the equator
- d) Both a and b

59) Consider the following statements.

- 1. Annual range of temperature is greater in the Northern Hemisphere than that in the Southern Hemisphere.
- 2. Annual range of temperature is greater in the Atlantic Ocean than that in the Pacific Ocean.

Which of the above statements is/are incorrect?

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

60) Which of the following would happen during Temperature inversion?

1. Surface of the Earth is cooler than the air above it.
2. In valleys the warm air slides down the mountain slope and cold air moves up.

Select the correct answer code:

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

61) Consider the following statements.

1. 60°- 65° latitudes in both the hemisphere have a low-pressure belt instead of high pressure.
2. The low-pressure areas are permanent over oceans rather than on land.

Which of the above statements is/are correct?

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

62) Consider the following statements.

1. Wind patterns are clockwise in southern hemisphere and anticlockwise in northern hemisphere.
2. The directions of wind patterns in northern and southern hemisphere are governed by Coriolis effect.

Which of the above statements is/are correct?

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

63) Consider the following statements.

1. The air pressure is highest at sea level and decreases with height.
2. Low pressure systems are usually characterized by dry and settled weather.
3. The air always moves from high pressure areas to low pressure areas.

Which of the above statements is/are correct?

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

64) Air closer to the Earth's surface is heavier because of

- a) High air pressure at lower atmosphere
- b) Jet air circulation in upper atmosphere
- c) Gravitational forces acting on air
- d) None of the above

65) Consider the following statements regarding Intertropical Convergence Zone (ITCZ)

1. The ITCZ is a zone of convergence at the thermal equator where the trade winds meet.
2. In this zone air tends to descend
3. It is a low-pressure belt and migrates with the changing position of the thermal equator.

Which of the above statements is/are correct?

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

66) Almost all the weather phenomena like rainfall, fog and hailstorm occur in this layer of the atmosphere

- a) Thermosphere
- b) Troposphere
- c) Mesosphere
- d) Stratosphere

67) Consider the following statements.

1. For the formation of the frost, dew point should be at or above the freezing point.
2. For the formation of dew, dew point should be below the freezing point.

Which of the above statements is/are correct?

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

68) Consider the following statements.

1. Cold air holds less water vapour than warm air.
2. Dense fogs in the early morning occur due to the mechanism of temperature inversion.
3. The transformation of water vapour directly into water is called sublimation.

Which of the above statements is/are correct?

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

69) The eastern coasts of continents within the tropics have much heavier rainfall than the west coasts. This is because

- a) The trade winds cause greater precipitation on the eastern coasts
- b) All western coasts fall in the rain shadow zone.
- c) Both a and b

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d) Neither a nor b

70) Consider the following statements.

1. As a general rule, in peninsular India, rainfall increases from coast to interior parts.
2. The summer monsoon in India moves in the opposite direction of the Northeast monsoon.

Which of the above statements is/are correct?

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

71) Consider the following statements regarding cyclones and anticyclones.

1. Cyclones originate at the area of low pressure, while anticyclones originate at high pressure area.

2. Both cyclones and anticyclones are associated with clouds, rain and thunderstorms.

Which of the above statements is/are correct?

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

72) Frontal cyclones are most likely to occur in

- a) Equatorial regions
- b) Polar regions
- c) Tropical regions
- d) Mid-latitude regions

73) What are the consequences of the thin air found at high altitude regions in Ladakh?

1. Frost bite is rarest in this region due to presence of thin air mass.
  2. Heat of the sun is felt much lesser as compared to places in lower altitude in the region.
- Select the correct answer code:

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

74) Thunderstorms are formed because of

- a) Induction by low-pressure cyclones
- b) Intense convection on moist hot days
- c) Meeting of warm and cold fronts
- d) None of the above

75) Consider the following statements regarding Polar front jet stream.

1. It is a belt of powerful upper-level winds that sits atop the polar front.

2. These winds are strongest in tropopause.

Which of the above statements is/are correct?

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

76) Consider the following statements regarding the role played by tropical cyclones on regional and global climate.

1. They carry heat energy away from the tropics and transport it toward temperate latitudes.
2. They can often bring intense rainfall to drought prone regions.
3. They also act as the earth's filter system by cleansing the air of toxins and pollutants out of the atmosphere.

Which of the above statements is/are correct?

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

77) In a tropical cyclone, as you move from the edges towards the centre, air pressure

- a) Remains constant
- b) Increases significantly
- c) Decreases significantly
- d) Varies depending on the wind speed and direction

78) Indian cities on Arabian Sea coastline are less vulnerable to cyclones compared to cities on Bay of Bengal coastline. This is because

1. Cyclones originating in Arabian Sea usually move away from Indian mainland.
2. Arabian sea is more saline and hotter compared to Bay of Bengal thus harbouring less ideal conditions for the production of cyclones.

Select the correct answer code:

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

79) The factors responsible for the origin of Cyclones in Bay of Bengal region are

1. Presence of the Coriolis force enough to create a cyclonic vortex.
2. High variations in the vertical wind speed.
3. A pre-existing weak low-pressure area.
4. Upper divergence above the sea level system

Select the correct answer code:

- a) 1, 2, 3

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

80) Bomb cyclone, recently seen in news is

- a) A storm that intensifies very rapidly.
- b) Caused by massive anthropogenic explosions in the Sea
- c) Formed in regions of high pressure in the Southern hemisphere
- d) None of the above

81) Consider the following statements regarding Microgravity.

1. Microgravity is the condition in which people or objects appear to be weightless.
2. It occurs when gravitation force around is zero or when objects are in a state of free fall.

Which of the above statements is/are correct?

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

82) Consider the following statements.

1. A black hole cannot be seen because of the strong gravity that is pulling all of the light into the black hole's centre.
2. If a star is orbiting a certain point in space, scientists can study the star's motion to find out if it is orbiting a black hole.

Which of the above statements is/are correct?

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

83) The average temperature roughly decreases from the equator towards the poles in the same manner as that of distribution of

- a) Land mass
- b) Oceans
- c) Cyclones
- d) Solar Insolation

84) Consider the following statements regarding Pulsars.

1. Pulsars are non-magnetized, rotating neutron stars that contain more mass than that of the sun.
2. Scientists are studying pulsars in search for planets beyond Earth's solar system and measure cosmic distance.

Which of the above statements is/are correct?

- a) 1 only

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

85) Even when Earth gets nearest to the Sun, the effects of this increased solar insolation are not felt on a large scale on earth. This can be due to

1. Circulation of ocean currents
2. Redistribution of heat through trade winds

Select the correct answer code:

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

### 3. Economy

1) Consider the following statements regarding Fiscal prudence.

1. Fiscal prudence implies spending excess to create demand in the economy.
2. Fiscal Responsibility and Budget Management (FRBM) Act, 2003 institutionalised the concept of fiscal prudence.

Which of the above statements is/are correct?

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

2) Consider the following statements regarding Gross value added (GVA).

1. It is a measure of total output and income in the economy.
2. It provides the rupee value for the amount of goods and services produced in an economy after adding the cost of inputs and raw materials that have gone into the production of those goods and services.

Which of the above statements is/are correct?

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

3) Consider the following statements regarding Deposit Insurance and Credit Guarantee Corporation (DICGC).

1. DICGC is a wholly-owned subsidiary of the Reserve Bank of India.

2. The authorized capital of the Corporation is 5 crores, which is fully issued and subscribed by the Reserve Bank of India (RBI).

3. The management of the Corporation vests with its Board of Directors, of which Governor of the RBI is the Chairman.

Which of the above statements is/are correct?

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

4) Consider the following statements regarding Prompt Corrective Action (PCA) of Reserve Bank of India.

1. It aims to monitor the operation of weaker banks more closely to encourage them to conserve capital and avoid risks.

2. It imposes certain restrictions on dividend distribution and expansion of branches by banks that are financially weak.

Which of the above statements is/are incorrect?

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

5) Consider the following statements regarding classification of money market.

1. Call Money - borrowing or lending in unsecured funds on overnight basis.

2. Notice Money - borrowing or lending in unsecured funds from 15 days to one year.

3. Term Money - borrowing or lending in unsecured funds for upto 14 days.

Select the correct answer code:

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

6) Consider the following pairs regarding the idea of planning in India.

1. Visvesvaraya Plan – Focus on shifting the labour from industrial sector to agriculture sector.

2. Gandhian Plan – Emphasis on cottage and village level industries.

3. Bombay Plan – Emphasised on the development of essential consumer goods industries in India.

Which of the above pairs is/are correctly matched?

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

7) Consider the following statements regarding Participatory notes (P-Notes).

1. P-Notes are among the group of investments considered to be Offshore Derivative Investments (ODIs).

2. The investor in P-Notes owns the underlying Indian security but does not enjoy any voting rights in relation to security/shares.

Which of the above statements is/are correct?

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

8) Under the balance of payments, Capital account consists of

- 1. Portfolio investment
- 2. Remittances
- 3. External Commercial borrowings
- 4. Multilateral and Bilateral loans

Select the correct answer code:

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

9) Consider the following statements regarding Economic census in India.

1. Economic census counts all entrepreneurial units in the country which are involved in any economic activities of either agricultural or non-agricultural sector.

2. The first Economic census in India was conducted along with the first decennial *Census* of India.

3. It is conducted by the Ministry of Statistics and Programme Implementation (MoSPI).

Which of the above statements is/are correct?

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

10) Fiscal Responsibility and Budget Management Act is concerned with

- a) Fiscal deficit only
- b) Revenue deficit only
- c) Both Fiscal Deficit and Revenue Deficit
- d) Neither Fiscal Deficit nor Revenue Deficit

## 4. Art and Culture

- 1) Consider the following pairs of Martial Art and the associated state.

1. Gatka : Manipur
2. Thang-Ta : Punjab
3. Silambam : Tamil Nadu
4. Mardani Khel : Maharashtra

Select the correct answer code:

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

- 2) Uttaramerur inscriptions provide information mainly about the administration of

- a) Chalukyas
- b) Cholas
- c) Satavahanas
- d) Rashtrakutas

- 3) Which of the following animals have been found on Pashupati Seal?

1. Elephant
2. Tiger
3. Bull
4. Rhinoceros
5. Antelopes

Select the correct answer code:

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

- 4) Arrange the following temple architecture chronologically from the latest to the earliest.

1. Sun temple at Konark
2. Kailasa temple
3. Brihadesvara temple
4. Ladkhan temple

Select the correct answer code:

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

- 5) Consider the following statements regarding Pavarana ceremony held in ancient Indian Buddhist monasteries.

1. It is the ceremony of initiation of new followers into Buddhist sangha.
2. The Monks confess their offences committed during their stay in the monasteries during the rainy season.

Which of the above statements is/are correct?

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

- 6) Consider the following statements regarding Kathakali Dance.

1. Chakiarkoothu, Koodiyattam, Krishnattam and Ramanattam are few ritual performing arts that had a direct influence on Kathakali.
  2. Kathakali is a blend of dance, music and acting and dramatizes stories, which are adapted from the Indian epics.
  3. Kathakali derives its textual sanction from Balarama Bharatam and Hastalakshana Deepika.
- Which of the above statements is/are correct?

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

- 7) Consider the following pairs of theatre forms and the region they are performed:

<b>Theatre Forms</b>	<b>Region</b>
1. Bhavai	Bihar
2. Maach	Meghalaya
3. Nautanki	Uttar

Pradesh

- |           |       |
|-----------|-------|
| 4. Bhaona | Assam |
|-----------|-------|

Which of the above pairs are correctly matched?

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

- 8) Consider the following statements regarding puppetry.

1. The earliest reference to the art of puppetry is found in Tamil classic 'Silappadikaaram'.
2. Natyashastra, the masterly treatise on dramaturgy also refers exhaustively about the art of puppetry.

Which of the above statements is/are correct?

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

- 9) Consider the following statements regarding Buddhist and Jain literature.

1. The Buddhist canonical literature was written in Pali language.

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2. Both Buddhism and Jainism have refrained from using Sanskrit in any form.  
Which of the above statements is/are incorrect?  
a) 1 only  
b) 2 only  
c) Both 1 and 2  
d) Neither 1 nor 2

- 10) With reference to the history of philosophical thought in India, consider the following statements regarding Samkhya School.
1. Samkhya school believes in the existence of God and accepts the theory of rebirth or transmigration of soul.
  2. Samkhya holds that it is the self-knowledge that leads to liberation and not any exterior influence or agent.
- Which of the above statements is/are correct?  
a) 1 only  
b) 2 only  
c) Both 1 and 2  
d) Neither 1 nor 2

## 5. Environment

- 1) Consider the following statements regarding exotic species.
1. Exotic live species are animal or plant species moved from their original range to a new one.
  2. According to the newly issued advisory by the Ministry of Environment Forest and Climate Change, exotic live species include species from the Schedules of the Wildlife (Protection) Act 1972.
  3. Lantana camara, Water Hyacinth and Parthenium are some of the Exotic species introduced in India.
- Which of the above statements is/are correct?  
a) 1, 2  
b) 1, 3  
c) 1 only  
d) 1, 2, 3
- 2) Consider the following statements regarding the species covered by Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) that are listed in three Appendices.
1. Appendix I – It includes species threatened with extinction and trade in specimens of these species are completely prohibited.

2. Appendix II – It includes species not necessarily threatened with extinction, but trade can happen with prior permission.
  3. Appendix III – It includes species that are listed after one-member country has asked other CITES Parties for assistance in controlling trade.
- Which of the above statements is/are correct?  
a) 1, 2  
b) 1, 3  
c) 2, 3  
d) 1, 2, 3
- 3) Which of the following are the Reports and programmes initiated by World Wildlife Fund (WWF)?
1. Living Planet Report
  2. Earth Hour
  3. Debt-for-nature swap
  4. Marine Stewardship Council
- Select the correct answer code:  
a) 1, 2, 3  
b) 1, 3, 4  
c) 1, 2  
d) 1, 2, 3, 4

- 4) UNEP Colombo Declaration is related to
- a) Pollutions caused by aviation sector.
  - b) Pollutions caused Coal-fired power plants
  - c) Global Nitrogen Challenge.
  - d) Pollution caused by ships.
- 5) Which of the following is a National Park, a UNESCO world heritage site and a Ramsar site in India?
1. Sundarbans national park
  2. Manas national park
  3. Keoladeo national park
- Select the correct answer code:  
a) 1, 2  
b) 1, 3  
c) 2, 3  
d) 1, 2, 3
- 6) Which of the following categories have been covered under various schedules of the Indian Wildlife (Protection) Act, 1972?
1. Fishes
  2. Reptiles
  3. Insects
  4. Birds
- Select the correct answer code:  
a) 1, 2, 3  
b) 1, 3, 4  
c) 2, 3, 4

d) 1, 2, 3, 4

7) Consider the following statements regarding criteria for biodiversity hotspot.

1. It must contain at least 15,000 species of vascular plants (> 0.5% of the world's total) as endemics.

2. It has to have lost at least 70% of its original habitat.

Which of the above statements is/are correct?

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

8) Consider the following statements.

1. None of the biodiversity hotspots in the world exceed the species count set to qualify as a biodiversity hotspot.

2. Anthropocene denotes the present geological time interval, which is used to describe humanity's large impact on the environment.

Which of the above statements is/are correct?

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

d) Neither 1 nor 2

9) Consider the following statements regarding Gaur, also called the Indian Bison.

1. Gaur is the largest extant bovine in the world.

2. Gaur is mainly present in the dryland ecosystem.

3. They are Native to south and southeast Asia.

Which of the above statements is/are correct?

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

10) Bio-decomposers can digest which of the following in the paddy straw?

- 1. Cellulose
- 2. Lignin
- 3. Pectin

Select the correct answer code:

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