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**Q.10) With reference to the International Thermonuclear Experimental Reactor (ITER) seen in the news recently consider the following statements:**

1. It aims at creating energy by replicating the fusion processes of the Sun.
2. It uses high-energy laser beams for the fusion process.
3. India is a member to ITER.

**Which of the statements given above is/are correct?**

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

**Answer: C**

**Explanation –**

**Statement 1 and 3** are correct. ITER aims at creating energy by replicating the fusion processes of the Sun. It is an international collaborative project located in southern France. India joined the ITER project in 2005.

**Statement 2** is incorrect. It uses very strong magnetic fields instead of high-energy laser beams.

**Source:** [ForumIAS](#)

## 10 PM Compilation for the Month of December (Second Week) 2022

### PRELIMS

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#### Q.1) Which of the following defines the term “Aeronomy”?

- a) It is the scientific study of the upper atmospheric regions of the Earth and other solar system bodies.
- b) It refers to the study of the deep oceans and its creatures.
- c) It studies the materials, processes, products, physical nature, and history of the Earth.
- d) It is the study of everything in the universe beyond Earth's atmosphere.

**Answer: A**

**Explanation** – Aeronomy refers to the scientific study of the upper atmospheric regions of the Earth and other solar system bodies. It covers the chemistry, dynamics and energy balance of both neutral and charged particles.

**Source:** [PIB](#)

#### Q.2) Consider the following statements:

- 1. Aorta is the main artery that carries oxygenated blood from the heart to the rest of the body and it is also the body's largest blood vessel.
- 2. A thoracic aortic aneurysm refers to a weakened area in the aorta in the chest.

**Select the correct statements using the codes given below:**

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

**Answer: C**

**Explanation** –

**Statement 1 and 2** are correct. The aorta is the main artery that carries oxygenated blood from the heart to the rest of the body and it is also the body's largest blood vessel. A thoracic aortic aneurysm refers to a weakened area in the aorta in the chest.

**Source:** [The Indian Express](#)

#### Q.3) With reference to Pradhan Mantri Virsat Ka Samvardhan (PM VIKAS) Scheme consider the following statements:

- 1. It aims at overall development of rural farmer families with focus on early child education.
- 2. The scheme is being implemented by the Ministry of Minority Affairs.

**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** –

**Statement 1** is incorrect. PM VIKAS aims to improve livelihoods of the minorities, particularly the artisan communities, using the components of skill development, education, women leadership & entrepreneurship.

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**Statement 2** is correct. The scheme is being implemented by the Ministry of Minority Affairs.

**Source:** [PIB](#)

**Q.4) Consider the following statements with reference to the “Recusal of Judges”:**

1. It is the removal of oneself as a judge in a particular matter.
2. The frequency of recusal pleas is growing in India.
3. It is mandatory for the judge to provide reason for the recusal to the petitioner.

**Which of the statements given above are correct?**

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

**Answer: A**

**Explanation –**

**Statement 1 and 2** are correct. Recusal is the removal of oneself as a judge or policymaker in a particular matter. The frequency of recusal pleas is also growing recently. For instance, rarely a month passes without a judge recusing in Bombay HC.

**Statement 3** is incorrect. A judge has the right to recuse him/herself. As is the custom, the judge did not need to explain her recusal to the petitioner.

**Source:** [ForumIAS](#)

**Q.5) With reference to Unakoti consider the following statements:**

1. It is located in Arunachal Pradesh.
2. It is a Saivite pilgrimage site with gigantic rock cut sculptures.
3. It is called Subrai Khung.

**Which of the statements given above are correct?**

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

**Answer: B**

**Explanation –**

**Statement 1** is incorrect. Unakoti is located in Tripura.

**Statement 2 and 3** are incorrect. Unakoti is a Saivite pilgrimage site with gigantic rock cut sculptures. It is called Subrai Khung.

**Source:** [ForumIAS](#)

## 10 PM Compilation for the Month of December (Second Week) 2022

**Q.6) With reference to Pradhanmantri Sangrahalaya consider the following statements:**

1. It keeps the history of the war fought between the freedom fighters and the British along with the details of martyrs of the war.
2. People can witness the memorable speeches given by the past Prime Ministers at the Red Fort.

**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 –**

**Statement 1** is incorrect. The Pradhanmantri Sangrahalaya is a tribute to every Prime Minister of India since Independence and a narrative record of how each one has contributed to the development of our nation over the last 75 years.

**Statement 2** is correct. People can witness the memorable speeches given by the Prime Ministers at the Red Fort.

**Source:** [ForumIAS](#)

**Q.7) Consider the following statements:**

1. Sub-ordinate courts have the highest number of pending cases.
2. Undertrials have the right to consult and be defended by a legal practitioner of their choice.
3. Article 21 proves that no person shall be deprived of his life or personal liberty except according to procedure established by law.

**Which of the statements given above are correct?**

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

**Answer: D**

**Explanation –**

**Statement 1, 2 and 3** are correct. Sub-ordinate courts have the highest number of pending cases. Undertrials have the right to consult and be defended by a legal practitioner of their choice. Article 21 proves that no person shall be deprived of his life or personal liberty except according to procedure established by law.

**Source:** [ForumIAS](#)

## 10 PM Compilation for the Month of December (Second Week) 2022

### Q.8) Consider the following statements:

1. Yields fall when the price of bond increases.
2. Yields fall when inflation rises.
3. Rising bond yields in India may increase the rate of borrowing for the government and the citizens.

### Which of the statements given above are correct?

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

### Answer: C

**Statement 1** and 3 are correct. As bond prices rise, yield on it declines, and vice versa. Rising bond yields in India may increase the rate of borrowing for the government and the citizens.

**Statement 2** is incorrect. A rising inflation pushes bond prices lower, thereby pushing yields higher.

**Source:** [ToI](#)

### Q.9) With reference to the National Mission for Clean Ganga (NMCG) consider the following statements:

1. It is registered under the Societies Registration Act 1860.
2. It has five tier structure at national, state and district level to take measures for prevention, control and abatement of environmental pollution in river Ganga.

### Select the correct statements using the codes given below:

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

### Answer: C

#### Explanation –

**Statement 1** and 2 are correct. NMCG registered under the Societies Registration Act 1860. It has five tier structure at national, state and district level to take measures for prevention, control and abatement of environmental pollution in river Ganga.

**Source:** [PIB](#)

### Q.10) Which of the following is not correct regarding the National Gallery of Modern Art?

- a) It is an art gallery under the Ministry of Culture.
- b) It was established by the Prime Minister Indira Gandhi
- c) Its headquarter is located in New Delhi.
- d) It showcases the art forms starting from 1857 in the field of visual and plastic arts.

### Answer: B

**Explanation** – It was established in 1954 by then vice-president Dr S Radhakrishnan in the presence of Prime Minister Jawaharlal Nehru.

**Source:** [ForumIAS](#)

## 10 PM Compilation for the Month of December (Second Week) 2022

### Q.1) Consider the following statements:

1. Network neutrality refers to the unethical practices followed by the social media in acquiring and prioritizing the advertisement.
2. India is one of the largest consumers of wireless internet in the world.
3. The Digital Markets Act adopted by the European Union aims to keep digital markets innovative and open to competition through ex-ante regulation.

### Which of the statements given above are correct?

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

**Answer: B**

### Explanation –

**Statement 1** is incorrect. Network neutrality ensures that all data on the internet is treated equally by Internet Service Providers (ISPs) and governments, regardless of content, user, platform, application, or device.

**Statement 2** and 3 are correct. India is one of the largest consumers of wireless internet with over 800 million users. The Digital Markets Act adopted by the European Union aims to keep digital markets innovative and open to competition through ex-ante regulation.

**Source:** [The Indian Express](#)

### Q.2) With reference to the Current Account Deficit (CAD) consider the following statements:

1. Current Account Deficit implies the country is exporting more goods and services in value than the imports.
2. A country having large current account deficit is always at risk of seeing the value of the currency fall.
3. A trade deficit is normally the largest component of a current account deficit.

### Which of the statements given above are correct?

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

**Answer: B**

### Explanation –

**Statement 1** is incorrect. Current Account Deficit implies the country is importing more goods and services in value than the exports.

**Statement 2** and 3 are correct. A country having large current account deficit is always at risk of seeing the value of the currency fall. A trade deficit is normally the largest component of a current account deficit.

**Source:** [The Indian Express](#)



## 10 PM Compilation for the Month of December (Second Week) 2022

### Q.3) Consider the following statements:

1. High Courts have the power to structure their calendars according to the service rules.
2. There is no such mechanism or bench to hear cases when the court goes in recess.

Select the correct statement using the codes given below:

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

**Answer: A**

**Explanation –**

**Statement 1** is correct. High Courts have the power to structure their calendars according to the service rules.

**Statement 2** is incorrect. There are vacation benches available to hear important cases like bail, eviction, etc. when the court goes in recess.

**Source:** [The Indian Express](#)

### Q.4) With reference to the Model Poisons Possession and Sale Rules, 2013 consider the following statements:

1. This rule prohibits the over-the-counter sale of acid unless the seller maintains a register recording the sale of acid.
2. This rule states that sale of acid is to be made only when the buyer produces a photo ID containing his address issued by the government.
3. This rule provides for the sellers to declare only half of the stocks of acid with the concerned Sub-Divisional Magistrate (SDM) within 15 days and in case of undeclared stock of acid.

Which of the statements given above are correct?

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

**Answer: A**

**Explanation –**

**Statement 1** and 2 are correct. This rule prohibits the over-the-counter sale of acid unless the seller maintains a register recording the sale of acid. This rule states that sale of acid is to be made only when the buyer produces a photo ID containing his address issued by the government.

**Statement 3** is incorrect. Sellers are also required to declare all stocks of acid with the concerned Sub-Divisional Magistrate (SDM) within 15 days and in case of undeclared stock of acid.

**Source:** [The Indian Express](#)

## 10 PM Compilation for the Month of December (Second Week) 2022

**Q.5) With reference to the Kolleru lake consider the following statements:**

1. It is the largest freshwater lake of India and the largest shallow freshwater lake in Asia.
2. It is located between the deltas of Krishna and Godavari rivers.
3. It is located in Kerala.

**Which of the statements given above are correct?**

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

**Answer: A**

**Explanation –**

**Statement 1 and 2** are correct. Kolleru lake is the largest freshwater lake of India and the largest shallow freshwater lake in Asia. It is located between the deltas of Krishna and Godavari rivers. The lake was notified as a wildlife sanctuary in November 1999 under India's Wild Life (Protection) Act, 1972, and designated a wetland of international importance in November 2002 under the international Ramsar Convention.

**Statement 3** is incorrect. It is located in Andhra Pradesh.

**Source: [The Hindu](#)**

**Q.6) Which of the following is not correct regarding cotton?**

- a) It is a kharif crop.
- b) It requires temperature between 21 – 30 degrees Celsius to grow.
- c) It requires high rainfall around 150 – 200 cm for its growth.
- d) China is the largest cotton producing country in the world.

**Answer: C**

**Explanation –** It requires moderate rainfall between 50 – 100cm for its growth.

**Source: [The Hindu](#)**

**Q.7) With reference to the farm subsidies consider the following statements:**

1. A direct subsidy is provided to the farmer by discounts on agricultural purchases like seeds and fertilizers whereas Indirect subsidy is provided in the form of cash.
2. Farm subsidies help in the improvement of nation's Human Development Index (HDI).
3. High amount of farm subsidies put excessive burden on Government finances by reducing space for capital expenditure.

**Which of the statements given above is/are correct?**

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

**Answer: C**

**Explanation –**

**Statement 1** is incorrect. A direct subsidy is provided to the farmer in the form of cash. Indirect subsidy is provided by discounts on agricultural purchases like seeds and fertilizers.



## 10 PM Compilation for the Month of December (Second Week) 2022

**Statement 2** and 3 are correct. Improved farm incomes and food security aids in addressing issues like malnutrition, improving overall living standard leading to the improvement of a nation's HDI. High amount of farm subsidies put excessive burden on Government finances by reducing space for capital expenditure.

**Source:** [ForumIAS](#)

**Q.8) With reference to the Future Skills Programme consider the following statements:**

1. It aims to reskill professionals, employees and students in emerging technologies like artificial intelligence over a period of five years.
2. Future PRIME is the next phase of the Future Skills platform which is open to professionals from outside the IT industry who want to skill themselves in emerging technologies.

**Select the correct statements using the codes given below:**

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

**Answer: C**

**Explanation –**

**Statement 1 and 2** are correct. Future Skills Programme aims to reskill 2 million professionals and potential employees & students in the industry in eight emerging technologies over a period of 5 years. The emerging technologies include artificial intelligence, virtual reality, etc. Future PRIME is the next phase of the Future Skills platform which is open to professionals from outside the IT industry who want to skill themselves in emerging technologies.

**Source:** [ForumIAS](#)

**Q.9) “Hattee community” was seen in the news recently. This community is found in –**

- a) Karnataka
- b) Himachal Pradesh
- c) Jharkhand
- d) Odisha

**Answer: B**

**Explanation –** Hattee community is found in the Trans-Giri region of Sirmaur district in Himachal Pradesh. This community is recently included in the Scheduled Tribes list.

**Source:** [The Hindu](#)

## 10 PM Compilation for the Month of December (Second Week) 2022

### Q.10) Consider the following statements:

1. India has witnessed an increase in the Foreign Direct Investment (FDI) in the telecommunication sector.
2. India's rank has declined in Network Readiness Index 2022.
3. Telecom Technology Development Fund (TTDF) Scheme aims to fund R&D in rural-specific communication technology applications.

### Which of the statements given above are correct?

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

**Answer: C**

### Explanation –

**Statement 1 and 3** are correct. India has witnessed an increase in the Foreign Direct Investment (FDI) in the telecommunication sector. Telecom Technology Development Fund (TTDF) Scheme aims to fund R&D in rural-specific communication technology applications and form synergies among academia, start-ups, research institutes, and the industry to build and develop the telecom ecosystem.

**Statement 2** is incorrect. India's rank has improved in Network Readiness Index 2022. India jumped 6 ranks, from 67 in 2021 to 61 in 2022 in the NRI-2022. NRI score for India also improved from 49.74 in 2021 to 51.19 in 2022.

**Source:** [PIB](#)