

ECONOMY

1. Consider the following statements:

1. When there is rapid growth in the gross domestic product, there is always a simultaneous increase in employment opportunities.
 2. Underemployment is a situation when available manpower, both in terms of time and skill, is underutilized.
 3. According to the latest Periodic Labour Force Survey, the casual wage laborers and regular salaried employees together account for less than half the proportion of India's rural workforce.
- Which of the following statements above is/are correct?

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

2. Which of the following statements is an appropriate description of Runaway inflation?

- (a) It is a situation where a high rate of inflation is coupled with a low rate of employment.
(b) **It is a rapid and uncontrollable increase in the price level in the economy.**

(c) It is a sudden fall in the value of a currency against other currencies
(d) It is a persistent fall in the general price level of goods and services

3. Consider the following statements regarding Hydrogen Internal Combustion Engines:

1. They can be made easily by modifying the existing diesel and petrol engines.
 2. They are better than fuel-cell electric vehicles in achieving zero-emission of CO₂ and NO_x.
 3. As hydrogen is denser than petrol, it requires a low amount of storage capacity.
- Which of the above statements is/are correct?

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

4. The Government of India's plan to borrow Rs.16,000cr by issuing Sovereign green bonds is meant to be used for which of the following purposes ?

1. Grants for renewable energy sources
2. Tax cuts for the usage of electric vehicles
3. Landfill projects
4. Equity investment in metro projects
5. Palm oil industries
6. Waste water management
7. Pollution control projects

Select the correct answer from the code given below:

(a) **1, 2, 4, 6 and 7 only** (b) 2, 3, 5 and 7 only (c) 1, 4, 5 and 6 only (d) 1, 2, 3, 4, 5, 6 and 7

5. Consider the following statements:

1. Tax buoyancy helps the government in deciding the tax rates.

2. Higher the tax buoyancy, the higher the efficiency of the tax system. Which of the following statements given above 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 India-UN Development Partnership Fund :

1. It is a dedicated facility established with United Nations Development Programme (UNDP).
 2. It mainly supports southern-owned and led demand-driven projects in the developing 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

7. With reference to Sovereign Gold Bond, consider the following statements:

1. It is issued by RBI on behalf of the Government in gold gram denomination.
2. They promise the buyer an equivalent amount of gold at the time of its maturity.

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

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

8. Which of the following statements are correct with respect to Digital Shakti 4.0, launched recently?

(a) Niti Aayog launched it as part of the Atal Innovation Mission.

(b) **It aims at raising the awareness level of women on the digital front.**

(c) Women-led startups are assisted with the initiative.

(d) All of the above

9. The first blockchain bond in the world, 'Bond-i' was launched by which among the following?

(a) Australia (b) El-Salvador (c) World Economic Forum (d) **World Bank**

10. Consider the following statements with respect to the share market:

1. A debt holder gets an interest irrespective of whether the company makes a profit or not.
2. An equity holder gets a dividend only when the company is making a profit.
3. An equity holder only acquires the last position on any dues/sum at the time of liquidation.

Which of the statements given above is/are correct?

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

ENVIRONMENT

1. Consider the following statements related to Wind energy:

1. Production of wind energy releases less Carbon dioxide than solar energy.

2. India stands 4th globally in the total Wind power installed capacity.

3. In India, Tamil Nadu has the highest installed capacity of wind energy.

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**

2. Which among the following Indian cities has received the 'World Green City Award 2022'?

- a) Hyderabad**
- b) Pune
- c) Indore
- d) Gandhinagar

3. With reference to Alliance for Industry Decarbonization, consider the following statements:

- 1. It is an initiative of International Energy Agency
- 2. Some Indian companies are members of this initiative.
- 3. The alliance aims to decarbonise Industrial value chain in pursuit of the Paris Climate Agreement.

Which of the statements given above is/are correct?

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

4. Which of the following statements is correct in respect of the newly released Environmental Performance Index (EPI), 2022? The index:

- a) was published by the United Nations Environment Programme (UNEP).

b) for the first time measured the level of Carbon monoxide and Volatile organic compounds in the atmosphere.

- c) ranks all the United Nations member countries based on their performance in the domain of environment protection.

- d) does not assess the nation's performance in tackling Ocean Plastic Pollution.

5. Consider the following statements with reference to the "Bioremediation":

- 1. It uses living organisms to remove contaminants, pollutants, and toxins from the environment.
- 2. Landfarming is a type of in-situ bioremediation while Bioaugmentation is a type of ex-situ bioremediation.
- 3. It can be used to remove the oil spills from the Oceans.

Which of the statements given above is/are correct?

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

6. Which among the following may be the possible implications if global average temperature increase by 2 degrees from preindustrial levels, in the near future?

- 1. Reduced yields in some crops.
- 2. Decreased labour productivity of Humans
- 3. Spread of vector-borne diseases
- 4. Loss of genetic diversity
- 5. Increase in frequency of earthquakes

Select the correct answer using the code given below:

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

7. Consider the following statements with reference to the regulation of genome editing in India:

- 1. Genome editing in India is regulated under the Environment (Protection) Act, 1986.
- 2. Genetic Engineering Appraisal Committee which regulates genome editing in India has power to take punitive action in case of violation of rules.
- 3. There is a prohibition in India on germline gene editing for commercial purpose.

Which of the above given statements is/are correct?

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

8. Consider the following statements with reference to the Biomass co-firing:

- 1. It stands for using biomass as a partial substitute fuel in coal based thermal power plants.
- 2. It can reduce GHG (Greenhouse Gases) emissions from the power plants.
- 3. The Ministry of Power mandates for all thermal power plants in the country to use 5 to 10% biomass along with coal for power production.

Which of the above given statements are correct?

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

9. Which of the following are the impacts of indiscriminate use of 'Urea' on the environment?

- 1. Rising temperature of Earth.
- 2. Increased level of Nitrate contamination of Ground water.
- 3. Lead to Eutrophication of water bodies.
- 4. May decrease the soil Acidification in the long term.

Select the correct answer using the code given below:

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

10. With reference to the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), consider the following statements:

1. CITES is a legally binding treaty that can override the National Legislations for its purpose.
2. International trade is banned under any circumstances for species or parts of those species mentioned in Appendix 1 of CITES.

3. The secretariat service to CITES is provided by the United Nations Environment Programme (UNEP). Which of the statements given above is/are correct?

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

CURRENT AFFAIRS

1. With reference to Multi-Angle Imager for Aerosols missions (MAIA) consider the following

1. It is a joint mission between NASA and ASI (Agenzia Spaziale Italiana).
2. The MAIA observatory will consist of the PLATiNO-2 satellite, which will be provided by NASA, and a science instrument that will be built at ASI's Jet Propulsion Laboratory (JPL).
3. New Delhi is one of the primary target areas focus of MAIA during its ten-year mission.

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

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

2. With reference to Digital India Act 2023 consider the following

1. The Digital India Act will be implemented alongside the Digital Personal Data Protection Bill, 2022, which focuses solely on processing personal data in India.
2. The Act will also encourage the adoption of digital technologies in various sectors such as healthcare, education, and agriculture, leading to increased efficiency and productivity.

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

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

3. Kalakkad-Mundanthurai Tiger reserve recently seen in news is spread over which of the following states?

- a) Kerala-Karnataka
b) Karnataka-Tamil Nadu
c) Tamil Nadu- Andhra Pradesh
d) **Kerala-Tamil Nadu**

4. With reference to Golden City Gate Tourism Multi-media Awards consider the following statements

1. The awards are given annually in various categories related to the Tourism and Hospitality sectors
2. The 'Golden City Gate' is a creative multi-media international competition for cities only

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

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

5. Which of the following is wrong with reference to NISAR mission?

- a) NISAR will be programmed to observe global changes in permafrost at regular intervals.
b) **The mission is a partnership between ROSCOSMOS(Russian Space Agency) and the Indian Space Research Organization.**
c) The data collected from NISAR will reveal information about the evolution and condition of the Earth's crust.
d) Its aim was to study threats and global environmental change.