

**ECONOMY, GENERAL SCIENCE, CA**

1. With reference to the 'implicit price deflator', consider the following statements:
  1. It is the ratio of the value of goods and services an economy produced in a particular year at current prices to prices during the base year.
  2. It is a more comprehensive measure for the economy than CPI and WPI.
  3. It will most often be greater than 100 in an expanding economy.

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**
2. Which of the following are affected by Monetary Policy:
    1. Price stability
    2. Accelerating the growth of the economy
    3. Balancing saving and investment
    4. Generating employment
    5. Financial stability

Select the correct answer using the code given below:

- a) 1, 2 and 5
  - b) 1 and 2
  - c) 1, 2, 3 and 5
  - d) **1, 2, 3, 4 and 5**
3. With reference to the SVAMITVA scheme, consider the following statements:
    1. It aims to update the 'record-of-rights' in the revenue/property registers in rural India.
    2. It is a collaborative project of the Ministry of Agriculture and Farmers Welfare and Survey of India.

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
4. A term 'Tragedy of the Commons' is often used in economics. It means:
    - a) The common people always remain common because they are trapped in their mundane works.
    - b) **Limited resources lead to over- consumption and ultimately depletion of the common resource, to everybody's detriment.**
    - c) Panic selling in the stock market because of speculation.
    - d) payment of money for which there are no goods or services exchanged.

5. As per the definition of Non-Banking Financial Corporation (NBFC), consider the following entities:

1. Housing Finance Companies
2. Merchant Banking Companies
3. Stock Exchanges
4. Venture Capital Fund Companies
5. Insurance companies
6. Chit Fund Companies

Which of the entities given above is/ are NBFCs?

- a) 1, 2 and 3
  - b) 1, 2, 3 and 4
  - c) **1, 2, 3, 4, 5 and 6**
  - d) 1, 2, 4 and 5
6. Consider the following steps taken by RBI and the Government of India.
    1. Pradhan Mantri Mudra Yojana
    2. Pradhan Mantri Jan Dhan Yojana
    3. Lead bank Scheme
    4. Basic Savings Bank Deposit account
    5. Payment and small finance banks

Which of the above has helped increase financial inclusion?

- a) 2, 3, and 5 only
  - b) 1, 2, 3, and 5 only
  - c) 2 and 5 only
  - d) **1, 2, 3, 4 and 5**
7. With reference to Aggregate Supply in an Economy, consider the following statements:
    1. Total goods exported at a specific price for a particular period is the aggregate supply.

2. Short-term changes in aggregate supply are impacted most significantly by new technology or other changes in an industry.
  3. Changes in Inflation can cause shift in Aggregate Supply.
- Which of the statements given above is/are correct?

- a) 1 and 2 only
  - b) 3 only**
  - c) 2 and 3 only
  - d) 1, 2 and 3
8. With reference to the different measures of money supply, consider the following statements:
1. M2 money includes currency held by the public and net time deposits of commercial banks.
  2. M4 money is the least liquid of all four measures.
  3. M3 is the most commonly used measure of money supply and is referred to as 'aggregate monetary resource'.

Which of the statements given above is/are correct?

- a) 1 and 2 only
  - b) 1 and 3 only
  - c) 2 and 3 only**
  - d) 1, 2 and 3
9. Which of the following statements is not correct regarding inflation calculation in India?
- a) Headline inflation is more volatile than Core inflation.
  - b) Consumer Price Index includes a wider basket of items than the Core inflation.
  - c) RBI's monetary committee has an upper tolerance level of 6% for the Wholesale Price Index.**
  - d) Laspeyres Index is to calculate the consumer price index by measuring the change in the price of the basket of goods to the base year.
10. With reference to the 'Unitary tax system', consider the following statements:
1. Under this, profits of all the branches of an enterprise/corporation are calculated as if the entire group is a unity.
  2. This system is conducive for transfer pricing mechanisms by which corporations shift taxable income.
  3. It taxes multinational enterprises as per the amount and place of their economic activities.

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
11. The Regional Rural Banks have a target of 75 percent of their outstanding advances for priority sector lending. In this regard, consider the following sectors:

1. Agriculture
2. Small and Marginal Farmers
3. Micro-enterprises
4. Weaker Sections

Based on the sub-sector targets for the sectors mentioned above, which of the following is correct?

- a)  $1 > 2 > 3 > 4$
  - b)  $1 > 4 > 2 > 3$
  - c)  $4 > 2 > 1 > 3$**
  - d)  $2 > 4 > 3 > 1$
12. Consider the following statements regarding the preservatives added to food:
1. The preservatives are used to increase the shelf life of the baked foods.
  2. They enhance the taste of the foods.
  3. Aspartame is a popular food preservative used in soda and other packaged foods.

Which of the statements given above is/are correct?

- a) 1 only**
  - b) 1 and 3 only
  - c) 2 and 3 only
  - d) 1, 2 and 3
13. Which of the following is/are uses of Teflon?
1. Nonstick coating on pans and other cooking wares
  2. Lubricant in machines
  3. Graft material in surgical interventions

Select the correct answer using the codes below:

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

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

14. With reference to Optoelectronic Applications of Nanomaterials, consider the following statements:

1. Optoelectronics is the study and application of electronic devices that source, detect and control light.
2. Surface-Enhanced Raman spectroscopy (SERS) can help detect harmful molecules present in water at high concentrations.

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

15. With reference to the “Polycrack technology”, consider the following statements:

1. It converts multiple feed stocks into hydrocarbon liquid fuels, gas, carbon and water.
2. It works in an open loop system thus emits some hazardous pollutants into the atmosphere.

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

16. With reference to antacids, consider the following statements:

1. A mixture of aluminium and magnesium hydroxide can be used as antacid.
2. Histamine stimulates the secretion of pepsin and hydrochloric acid in the stomach.

Which of the statement given above is/are correct?

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

17. With reference to the recent technologies in India, consider the following statements:

1. While starting the car from the car shed, instead of seeing mirrors for reversing, RADARs can give information about any obstacles or any other vehicles approaching nearby.
2. While travelling in the car, IRNSS enabled device can give distance and approximate reaching time of your destination along with that place’s weather conditions and live traffic status.
3. If the car lost in the parking area is stolen, Microdot technology can be used to find that car.

Which of the statements given above is/are correct?

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

18. With reference to the advanced battery technologies, consider the following features:

- i. It can be completely recycled.
- ii. It can be used for electric vehicles and hybrid vehicles.
- iii. It has faster charging cycle and slow discharging cycles.
- iv. It has very less rate of explosion.

Which of the following battery/batteries is described by the features given above?

1. Lithium-Ion Battery
2. Iron-Ion Battery

Select the correct answer using the code given below.

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

19. If an air conditioner (AC) has good Indian Seasonal Energy Efficiency Ratio (ISEER), then

1. That AC will consume less electrical energy when compared to other poorly rated ACs.
2. That AC will give similar cooling effect in both summers and winters.

Select the correct answer using the code given below.

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

20. Which of the following are the criteria for identifying “Particularly Vulnerable Tribal Groups” (PVTG)?

1. Pre-agricultural level of technology
2. Low level of literacy
3. Economic backwardness
4. A declining or stagnant population

Select the correct answer using the code given below.

- a) 1 and 4 only
  - b) 1, 2 and 3 only
  - c) 3 and 4 only
  - d) **1, 2, 3 and 4**
21. Terms like 'Tilapia' and 'Hermon' often mentioned in news can be related to which of the following?
- a) Reptiles
  - b) **Food fish**
  - c) Ornamental tree
  - d) Invasive vine species
22. Consider the following statements with reference to recent data on pollution of global cities
1. NO<sub>2</sub> has a shorter lifetime compared with PM<sub>2.5</sub>
  2. Delhi and Kolkata were ranked first and second in the list of top 10 most polluted cities when PM<sub>2.5</sub> levels were compared
  3. No Indian city appeared in the list of top 20 polluted cities when NO<sub>2</sub> levels were compared
- Choose the correct statement using the codes given below
- a) 1 only
  - b) 2 and 3 only
  - c) 1 and 2 only
  - d) **All of the above**
23. Vostok (East) 2022 exercises will NOT see the participation of which of the following countries?
- a) India
  - b) Mongolia
  - c) **USA**
  - d) China
24. Israel does not share border with which of the following?
- a) Mediterranean Sea
  - b) Dead Sea
  - c) **Baltic Sea**
  - d) All of the above
25. Which of the following projects comes under the State Environment Impact Assessment Authority (SEIAA)?
1. Metallurgical industries
  2. Highways
  3. Cement plants
  4. Hydroelectric power projects
- Select the correct answer using the code given below
- a) **1, 3 and 4 only**
  - b) 2 and 3 only
  - c) 1 and 4 only
  - d) 1, 2, 3 and 4