

**ECONOMY, SCIENCE & TECHNOLOGY, CA**

1. With reference to Exchange Traded Funds (ETFs), consider the following statements:

1. They are listed and traded on exchanges like stocks.
2. An ETF is a basket of stocks that reflects the composition of an Index.
3. ETFs are derivative product and trades in the F&O segment.

Which of the statements given above is/are correct?

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

2. With reference to Measures of Monetary and Liquidity Aggregates in India, consider the following statements:

1. M1 refers to Currency with the public plus demand deposits with the banking system plus other deposits with the RBI.
2. M2 refers to M1 plus savings deposits of post office savings banks.
3. M3 refers to M2 plus time deposits with the banking system.

Which of the statements given above is/are correct?

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

3. With reference to Non-Banking Financial Company (NBFC) in India, consider the following statements:

1. NBFC cannot accept demand deposits.
2. NBFC cannot issue cheques drawn on itself.
3. Deposit insurance facility of Deposit Insurance and Credit Guarantee Corporation is available to depositors of NBFCs.

Which of the statements given above is/are correct?

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

4. With reference to Foreign Exchange Management Act, 1999 (FEMA), consider the following statements:

1. The legal framework for administration of foreign exchange transaction outside India is provided by FEMA.
2. All transactions undertaken by a resident that do not alter his / her assets or liabilities outside India are current account transactions.

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

5. With reference to GDP Deflator, consider the following statements:

1. GDP Deflator is the ratio of Nominal GDP to Real GDP.
2. GDP Deflator is most accurate measure of inflationary tendencies in comparison to CPI and WPI.

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

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

6. With reference to Treasury Bills, consider the following statements:

1. These are short term debt instruments issued by the Government of India.
2. They are presently issued in three tenors, namely, 91 day, 182 day and 364 day.
3. They are issued at a premium and redeemed at the discount value at maturity.

Which of the statements given above is/are correct?

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

7. With reference to Cash Reserve Ratio (CRR) in India, consider the following statements:

1. It is a monetary policy tool used by RBI to control the liquidity in the banking sector.
2. Banks earn a certain amount of return on money reserved as CRR.

3. The CRR requires every commercial bank to have reserves in terms cash and gold.  
Which of the statements given above is/are correct?
- 1 only**
  - 1 and 2 only
  - 2 and 3 only
  - 1, 2 and 3
8. With reference to Prepaid Payment Instruments (PPIs), consider the following statements:
- PPIs can only be issued by banks.
  - PPIs are not allowed to be gifted from one individual to another.
  - The monies so collected by the PPI issuers are to be used to make payments to merchants.
- Which of the statement/s given above is/are correct?
- 1 and 2 only
  - 3 only**
  - 1 and 3 only
  - 1, 2 and 3
9. Consider the following statements:
- The important feature of liberalization is to do away with the licensing system.
  - Privatization policy will help in enhancing competition in the market.
  - Globalization aims at imposing tariff on imported goods.
- Which of the statements given above are correct?
- 2 and 3 only
  - 1 and 2 only**
  - 1 and 3 only
  - 1, 2 and 3
10. Which one of the following is generally used as an indicator for analysing the employment situation in the country?
- Efficiency ratio
  - Worker-population ratio**
  - Industry-worker ratio
  - Term based ratio
11. Dark fibre, often seen in the news, refers to which of the following?
- Extra optical fibre to avoid cost repetition when more bandwidth is needed**
  - The indigestible parts of plant foods
  - Insoluble fibre found in wholegrain breads which absorbs water
  - Bandwidth used for operating dark net to avoid being traced
12. With reference to National Supercomputing Mission, consider the following statements:
- It was launched during 10th Five Year Plan with aim to boost the country's overall computing facilities.
  - Centre for Development of Advanced Computing (C-DAC) is the nodal agency for the mission.
- Which of the statements given above is / are correct?
- 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2**
13. Consider the following statements about the "Ion rocket":
- It is an electric propulsion system which enables modern spacecraft to travel farther, faster and cheaper than chemical propulsion technology.
  - India's Reusable Launch Vehicle (Hyper Plane) uses this technology which enables it to achieve hypersonic speed and to operate in the Outer Space.
- Which of the statements given above is/are correct?
- 1 only**
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
14. To travel from Mumbai to Delhi within 21/2hours without any stoppages, which of the following train(s) can be preferred in India assuming the following are operational at their maximum speed.
- Hyperloop Trains
  - Bullet Trains
  - Vande Bharat Express
- Select the correct answer using the code given below.
- 1 only
  - 2 only

- c) **1 and 2 only**  
d) 1, 2 and 3
15. Which one of the following ongoing/proposed mission of ISRO is capable to connect two flying objects in space, either to transfer vyomanauts or material from one to the other, or two join two structures to make a bigger one?  
a) ASPIRE  
b) **SPADEX**  
c) NISAR  
d) Gaganyaan
16. Which of the following are advantages of launching communication satellites in the Low Earth Orbit?  
1. Footprint of the satellites can be increased.  
2. Communication latency can be eliminated.  
3. Speed of the Internet connections can be increased.  
Select the correct answer using the code given below.  
a) 3 only  
b) 1 only  
c) **2 and 3 only**  
d) 1, 2 and 3
17. In the Indian context, with reference to the recent BS VI Norms, consider the following statements:  
1. By implementing these norms, there shall be drastical increase in the export of Diesel cars from India in the near future.  
2. By implementing these norms, the quantity of Sulphur emission from the petrol cars will significantly decrease in the long run.  
3. Even after implementing these norms, the economic demand of the Electric cars will not be affected heavily in the near future.  
Which of the statement given above is/are correct?  
a) 2 only  
b) **2 and 3 only**  
c) 1 and 3 only  
d) 1, 2 and 3
18. Consider the following applications in the Indian context:  
1. High precision flood risk mapping even upto the accuracy of nanometres.  
2. Detecting track faults in the railways lines.  
3. Conducting oil and gas exploration surveys.  
4. Determining the 3D structure of the forests.  
Which of the following surveillance system(s) is best suited for above mentioned applications?  
a) **RADAR**  
b) SONAR  
c) **LIDAR**  
d) Both (a) and (c)
19. Consider the following statements about the “Small Satellite Launch Vehicle” (SSLV):  
1. SSLV can able to carry Nano, Pico and Femto satellites upto the payload of 450 Kilograms to the Geostationary Orbit.  
2. SSLV will be launched from a dedicated launch pad at Kulasekharapatnam by Antrix Corporation, a commercial arm of ISRO.  
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**
20. Which of the following would be the applications of “India Data Relay Satellite System” (IDRSS)?  
1. It will track, send and receive real-time information from other Indian satellites.  
2. It will be used for space docking, space station, as well as distant expeditions to the Moon, Mars and Venus.  
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
21. Recently seen in the news, the Akula class nuclear attack submarine (SSN) has to be imported from which country?

- a) France
  - b) Ukraine
  - c) **Russia**
  - d) Israel
22. Recently, the Lisbon Declaration was in the news. It aims at?
- a) **Ocean conservation**
  - b) Preserving the Wetlands
  - c) Persistent Organic Pollutants
  - d) Trade in Endangered Species
23. With reference to Sustainable Development Goals (SDG), consider the following pairs:
- 1. SDG 4 : Quality Education
  - 2. SDG 7 : Affordable And Clean Energy
  - 3. SDG 12 : Sustainable Cities And Communities
- How many pairs given above are correctly matched?
- a) None of the pairs
  - b) Only one pair
  - c) **Only two pairs**
  - d) All three pairs
24. "Triple test" which was recently in news is related to which of the following?
- a) National Assessment and Accreditation Council (NAAC) tests for assessing Educational Institutions.
  - b) Testing the efficiency of Parliamentary functioning.
  - c) **Providing reservations for OBCs in local body polls.**
  - d) Yardstick for testing levels of pollutants in the air.
25. The report 'Outbound Travel and Tourism - An Opportunity Untapped' was recently released by which of the following?
- a) World Economic Forum (WEF)
  - b) **Nangia Andersen LLP in association with FICCI**
  - c) United Nations World Tourism Organization (UNWTO)
  - d) World Association for Hospitality And Tourism Education and Training - AMFORHT.



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