

ECONOMY, SC and TECH, CA

1. Consider the following statements

1. GNP is an economic concept.
2. GNP is based on ordinary residents, while GDP is based on domestic territory.

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

2. Source of human capital formation is:

- (a) Expenditure on Industries
- (b) **Expenditure on Health**
- (c) Expenditure on Building
- (d) Expenditure on Textiles

3. Which one of the following is not the most likely measure the Government/ RBI takes to stop the slide of Indian rupee?

- (a) Curbing imports of non-essential goods-and promoting exports
- (b) Encouraging Indian borrowers to issue rupee denominated Masala Bonds
- (c) Easing conditions relating to external commercial borrowing
- (d) **Following an expansionary monetary policy**

4. Consider the following statements:

1. In terms of short-term credit delivery to the agriculture sector, District Central Cooperative Banks (DCCBs) deliver more credit in comparison to Scheduled Commercial Banks and Regional Rural Banks.
2. One of the most important functions of DCCBs is to provide funds to the Primary Agricultural Credit Societies.

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. The Service Area Approach was implemented under the purview of:

- (a) Integrated Rural Development Programme
- (b) **Lead Bank Scheme**
- (c) Mahatma Gandhi National Rural Employment Guarantee Scheme
- (d) National Skill Development Mission

6. With reference to economy, the term National Disposable Income refers to

- (a) **Net National Income at Market price along with current transfers from rest of the world.**
- (b) Gross National Product at Market price excluding depreciation.
- (c) Net Domestic Product at Market price excluding net indirect taxes.
- (d) Gross National Savings including final consumption expenditure.

7. Consider the following statements about the Startup India Seed Fund Scheme (SISFS)

1. The startup scheme is expected to support 3600 start-ups
2. The scheme has been approved for the period of the next four years starting from 2021-22.
3. The scheme aims to provide financial assistance to start-ups for proof of concept, prototype development, product trials, market-entry, and commercialization

Which of the above is/are correct?

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

8. Consider the following statements with reference to Inflation Index Bonds (IIBs):

1. One of the primary goals of issuing IIBs is to limit the appeal of gold as a financial investment.
2. In countries with low to very low inflation, IIBs are more popular and even preferred.

The correct statement(s) is/are:

- (a) **Only 1**
- (b) Only 2
- (c) 1 and 2 both
- (d) None of the above

9. GDP of a country as an index of greater well-being of the people of that country may not be correct because:

1. many activities in an economy are not evaluated in monetary terms
2. non-uniform distribution of GDP

3. the presence of positive or negative externalities affects the actual estimation of GDP

Select the correct answer using the codes given below.

- (a) 1 and 2
- (b) 2 and 3
- (c) Only 2
- (d) All of these**

10. NITI Ayog Governing Council includes

- 1. Prime Minister
- 2. Finance Minister
- 3. State Governors
- 4. State Chief Ministers
- (a) 1, 2, 3
- (b) 1, 3, 4
- (c) 1, 2, 4**
- (d) All of these

11. Arrange the following steps involved in the process of DNA Fingerprinting:

- 1. Distribution of DNA pieces is transferred to a nylon sheet
- 2. Cutting, sizing, and sorting of DNA with the help of Restriction enzyme
- 3. DNA Isolation
- 4. DNA fingerprint is built by using several probes
- 5. Adding radioactive or coloured probes to produces a DNA Pattern

Codes:

- i. 1, 2, 3, 4, 5
- ii. 3, 2, 1, 5, 4**
- iii. 2, 3, 1, 4, 5
- iv. 2, 3, 1, 5, 4

12. Which of the following statements is/are true with regard to the Cartagena Protocol on Biosafety?

- 1. It is an international treaty governing the movements of living modified organisms (LMOs) resulting from modern biotechnology from one country to another.
- 2. It seeks to protect biological diversity from the potential risks posed by LMOs resulting from modern biotechnology.
- 3. It is based on the Precautionary Principle.
- 4. It establishes a Biosafety Clearing-House.

Select the correct answer using the code given below.

- a. 2 and 3 only
- b. 1 and 2 only
- c. 1, 2 and 3 only
- d. All of the above**

13. Genetically modified “golden rice” has been engineered to meet human nutritional requirements. Which one of the following statements best qualifies golden rice?

- (a) The grains have been fortified with genes to provide three times higher grain yield per acre than other high yielding varieties.
- (b) Its grains contain pro-vitamin A upon which upon ingestion is converted to vitamin A in the human body.**
- (c) Its modified genes cause the synthesis of all the nine essential amino acids.
- (d) Its modified genes cause the fortifications of its grains with vitamin D.

14. The difference between a nuclear reactor and an atomic bomb is that

- a. no chain reaction takes place in nuclear reactor while in the atomic bomb there is a chain reaction
- b. the chain reaction in nuclear reactor is controlled**
- c. the chain reaction in nuclear reactor is not controlled
- d. no-chain reaction takes place in atomic bomb while it takes place in nuclear reactor

15. Which of the following statements is/are correct with regard to arsenic poisoning and fluorosis?

- 1. Harvesting and using rain water is a definite solution.
- 2. Arsenic contamination is unique to India and Bangladesh.
- 3. Fluorosis can be cured.
- 4. Fluorosis is prevalent in 19 Indian states.

Select the correct answer using the code given below.

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

16. A semiconductor is a material which is
(a) **An insulator at low temperatures and becomes slightly conducting at room temperature**
(b) A conductor at low temperatures and becomes an insulator at room temperature
(c) An insulator at all temperatures
(d) A conductor at all temperatures
17. SONAR is used for
(a) Locating enemy aircraft
(b) **Locating submerged objects such as submarines**
(c) Producing ultrasonic waves
(d) Measuring the speed of sound
18. An artificial satellite orbiting around the Earth does not fall down. This is so because the attraction of Earth
a) does not exist at such distance
b) is neutralized by the attraction of the moon
c) provides the necessary speed for its steady motion
d) **provides the necessary acceleration for its motion**
19. Which one of the following types of glass can cut off ultraviolet rays?
a) Soda glass
b) Pyrex glass
c) Jena glass
d) **Crookes glass**
20. For which one of the following is capillarity not the reason?
a) Blotting of ink
b) **Rising of underground water**
c) Spread a water drop on a cotton cloth
d) Rising of water from the roots of a plant to its foliage
21. Which of the following is accepted as a medium of exchange because of the trust between the payer and payee?
a) full bodied money
b) credit money
c) fiat money
d) **fiduciary money**
22. With reference to Foreign Direct Investment in India, which one of the following is considered its major characteristic?
a) It is the investment through capital instruments essentially in a listed company.
b) **It is a largely non-debt creating capital flow.**
c) It is the investment which involves debt-servicing.
d) It is the investment made by foreign institutional investors in the Government securities.
23. Both Foreign Direct Investments (FDI) and Foreign Institutional Investor (FII) are related to investment in a country. Which one of the following statements best represents an important difference between the two?
a) FII helps bring better management skills and technology, while FDI only brings in capital
b) **FII helps in increasing capital availability in general, while FDI only targets specific sectors**
c) FDI flows only into the secondary markets, while FII targets primary market
d) FII is considered to be more stable than FDI
24. Zaporizhzhia Nuclear Power Plant which is recently in news, is located in which country?
a) Germany
b) Hungary
c) **Ukraine**
d) South Korea
25. Hwasong-17 intercontinental ballistic missile (ICBM) often seen in news is related to which of the following country?
a) Japan
b) **North Korea**
c) South Korea
d) China