

1. Consider the following programmes:

1. Afforestation and development of wastelands
2. Reforestation and replantation in existing forests
3. Encouraging the wood substitutes and supplying other types of fuel
4. Promotion of wide use of insecticides and pesticides to restrict the loss of forest area from degradation caused by pests and insects.

The National Forest Policy of 1988 includes:

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

2. Within biological communities, some species are important in determining the ability of a large number of other species to persist in the community. Such species are called

- (a) Keystone species
- (b) Allopatric species
- (c) Sympatric species
- (d) Threatened species

3. Consider the following statements:

1. Kyoto protocol came into force in the year 2005.
2. Kyoto protocol deals primarily with the depletion of the ozone layer.
3. Methane as a green house gas is more harmful than carbon dioxide.

Which of the statements given above is/are correct?

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

(c) 1 only

(d) 3 only

4. Consider the following statements:

1. Clean Development Mechanism (CDM) in respect of carbon credits is one of the Kyoto Protocol Mechanisms.

2. Under the CDM, the projects handled pertain only to the Annex-I countries.

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. Where was the World Summit on Sustainable Development(Rio+10) held?

(a) Davos

(b) Nova Scotia

(c) Johannesburg

(d) Shanghai

6. Consider the following statements:

1. Salt-water crocodile is found in the Andaman and Nicobar Islands.

2. Shrew and tapir are found in the Western Ghats of the Malabar region.

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

7. Due to their extensive rice cultivation, some regions may be contributing to global warming. To what possible reason/reasons is this attributable ?

1. The anaerobic conditions associated with rice cultivation cause the emission of methane.
2. When nitrogen based fertilizers are used, nitrous oxide is emitted from the cultivated soil.

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

8. Consider following pairs :the Protected area Well-known for

1. Bhitarkanika, Orissa — Salt Water Crocodile
2. Desert National Park, — Great Indian Bustard Rajasthan
3. Eravikulam, Kerala — Hoolak Gibbon

Which of the pairs given above is / are correctly matched ?

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

9. Consider the following statements :

1. Biodiversity hotspots are located only in tropical regions.
2. India has four biodiversity hotspots i.e., Eastern Himalayas, Western Himalayas, Western Ghats and Andaman and Nicobar Islands.

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

10. Consider the following statements :

1. The boundaries of a National Park are defined by legislation.
2. A Biosphere Reserve is declared to conserve a few specific species of flora and fauna.
3. In a Wildlife Sanctuary, limited biotic interference is permitted.

Which of the statements given above is / correct ?

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

11. The earth's satellite is kept moving in its orbit. It is due to the phenomenon of centripetal force provided by

- (a) the rocket engine propelling the satellite
- (b) the gravitational attraction of the earth on the satellite
- (c) the gravitational attraction of the sun on the satellite
- (d) the gravitational attraction of satellite on earth

12. Multiple Independent Re-entry Vehicles (MIRVs) are used in Agni-V missile made by DRDO, consider the following statements in regard to MIRVs.

1. Under it, each missile will be capable of carrying 2-10 separate nuclear warheads.
2. Under it, each warhead can be assigned to a different target.
3. Under it, two or more warheads can be assigned to the same target.

Which of the following statements is/are correct?

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

13. Consider the following statements regarding Indian polar research station:

1. India established a research station named "Bharti" at Ny-Alesund in Svalbard region of Norway.
2. India established a research station named "Himadri" in the Larsemann Hills region of East Antarctica.

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

14. Indian Space Research Organisation (ISRO) and the United States Space Agency NASA, have agreed to form a working group for co-operation in which of the following endeavours?

- (a) Moon and Mars Missions of future
- (b) Meteorology and Space Exploration
- (c) Heliophysics
- (d) All of the above

15. Radar is used for

- (a) detecting objects by using light waves
- (b) reflecting sound waves to detect objects
- (c) determining the presence and location of objects with radiowaves.
- (d) tracking rain bearing clouds.

16. Consider the following statements regarding 'INS Tarkash'

- 1. It is built indigenously by DRDO.
- 2. It is a multi-role stealth frigate.

Which of the above statements is/are correct?

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

17. What is the difference between present Wi – Fi technology and super Wi – Fi?

- 1. Present Wi – Fi technology supports 802.11 b/g/n standard while new super Wi – Fi will support 802.11 ad standard.
- 2. Super Wi – Fi can send data upto the length of 1 – 2 GB and eventually there would be no log in the speed.
- 3. The new super Wi – Fi would function at the speed of 7 gigabytes per second, much more than the speed of ordinary Wi – Fi.

Select the correct answer using the codes given below:

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

18. Consider the following statements about a computer named “ Greenware” .

1. ‘Greenware’ is completely free of both hazardous PVC (Polyvinylchloride) and BFR (brominated flame-retardants).
2. Manufacturing of ‘Greenware’ can be a special action like replacing all standard light bulbs with CFLs or a more general application to live more ecologically.

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

19. Consider the following statements:

1. Nirbhaya is a subsonic cruise missile being developed by DRDO.
2. The air version of Brahmos has been successfully test-fired recently.
3. Brahmos-II will be hypersonic cruise missile with target range of more than 300 km.

Which of the above statements is/are not true?

- (a) 1 and 2 only (b) 2 and 3 only
(c) all of the above (d) none of these

20. Consider the following statements:

1. Kuvempu award is an annual award given to a writer who has contributed in any of the languages recognised by the Constitution of India.
2. The award is named after Kuvempu, the greatest Kannada poet of the 20th century.
3. Kuvempu won the Jnanpith Award for writing his version of the Ramayana.

Which of the statements given above is/are correct?

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

21. Consider the following statements regarding Purchasing Managers' Index (PMI):

1. It is compiled by IHS Markit.
2. It provides information about current as well as future business conditions to decision makers.
3. It is calculated separately for the manufacturing and services sectors.

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

22. With reference to the 'Heat Dome' consider the following statements:

1. It is a phenomenon of strong heat waves in the Pacific Northwest and some parts of Canada.
2. The phenomenon begins when there is a strong change in ocean temperatures.

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

23. With reference to the 'Gravitational Waves', consider the following statements:

1. These are invisible ripples in space formed by merger of the Neutron star-Black hole (NS-BH).
2. These were proposed by Albert Einstein in his General Theory of Relativity.

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

24. With reference to Integrated Child Development Scheme, consider the following statements:

1. The scheme aims to improve only the nutritional and health status of children in the age-group 0-6 years.
2. It is a central sector scheme implemented by the Ministry of Women and Child Development.

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

25. Recently in the news, "Authorised Economic Operators Programme" is related to?

(a) Cryptocurrency

(b) Base Erosion and Profit Shifting

(c) Supply Chain and Global Trade

(d) Money Laundering

Answer Sheet

| | | | | | |
|---|----------|----|----------|----|----------|
| 1 | D | 10 | C | 19 | B |
| 2 | A | 11 | B | 20 | D |
| 3 | B | 12 | D | 21 | D |
| 4 | C | 13 | D | 22 | C |
| 5 | C | 14 | D | 23 | C |
| 6 | A | 15 | C | 24 | D |
| 7 | C | 16 | B | 25 | C |
| 8 | B | 17 | D | | |
| 9 | D | 18 | C | | |