

1-If National Water Mission is properly and completely implemented, how will it impact the country?

1. Part of the water needs of urban areas will be met through recycling of wastewater.
2. The water requirements of coastal cities with inadequate alternative sources of water will be met by adopting appropriate technologies that allow for the use of ocean water.
3. All the rivers of Himalayan origin will be linked to the rivers of peninsular India.
4. The expenses incurred by farmers for digging bore- wells and for installing motors and pump sets to draw groundwater will be completely reimbursed by the Government.

Select the correct answer using the codes given below :

(a) 1 only

(b) 1 and 2 only

(c) 3 and 4 only

(d) 1, 2, 3 and 4

2- Biomass gasification is considered to be one of the sustainable solutions to the power crisis in India.

In this context, which of the following statements is/are correct?

1. Coconut shells, groundnut shells and rice husk can be used in biomass gasification.
2. The combustible gases generated from biomass gasification consist of hydrogen and carbon dioxide only.
3. The combustible gases generated from biomass gasification can be used for direct heat generation but not in internal combustion engines.

Select the correct answer using the codes given below :

(a) 1 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

3- Out of the 81,000 animal species so far described from India, Invertebrates have a lion's share with about 68,000 organisms and microorganisms. In this context, consider the following:

1-Wildlife (Protection) Act, 1972

2-Forest (Conservation) Act, 1980

3-Biological Diversity Act, 2002

Which among the above emphasize(s) upon conservation of the Invertebrates?

[a] 1 only

[b] 2 only

[c] 3 only

[d] 2 & 3 only

4- Consider the following statements:

1-The PAs are constituted and governed under the provisions of the Wild Life (Protection) Act, 1972

2-Protected areas can be declared by both central as well as state governments

Which of the above statements is/are correct?

[a] 1 Only

[b] 2 Only

[c] Both 1 & 2

[d] Neither 1 nor 2

5- Consider the following National Parks with states where they are located:

1-Rani Jhansi Marine National Park – Madhya Pradesh

2-Balpakram National Park – Karnataka

3-Valley of Flowers National Park – Kerala

Which of the above is/are correct?

[A] 1 Only

[B] 1 & 3 Only

[C] 1, 2 & 3

[D] None is True

6- Which of the following forms ‘The Evil Quartet’ for biodiversity losses:

1-Habitat loss and fragmentation

2-Co-extinctions

3-Over-exploitation

Which of the statements given above is/are correct?

a) 1 and 3 only

b) 1 only

c) 2 and 3 only

d) All of the above

7- The Pin Valley National Park (PVNP) is located in which state?

a) Jammu & Kashmir (J&K)

b) Arunachal Pradesh

c) Himachal Pradesh

d) Sikkim

8- Which of the following is/are offered by the Gene Sanctuaries?

1-way to preserve both the wild species and natural ecosystems

2-cheap method of germplasm conservation

Select the correct option from the codes given below:

a) 1 only

b) Both 1 & 2

c) 2 only

d) None of the above

9- Which one of the following groups of animals belongs to the category of endangered species?

(a) Great Indian Bustard, Musk Deer, Red Panda and Asiatic Wild Ass

(b) Kashmir Stag, Cheetal, Blue Bull and Great Indian Bustard

(c) Snow Leopard, Swamp Deer, Rhesus Monkey and Saras (Crane)

(d) Lion-tailed Macaque, Blue Bull, Hanuman Langur and Cheetal.

10- The Himalayan range is very rich in species diversity. Which one among the following is the most appropriate reason for this phenomenon ?

(a) It has a high rainfall that supports luxuriant vegetative growth

(b) It is a confluence of different bio-geographical zones.

(c) Exotic and invasive species have not been introduced in this region.

(d) It has less human interference.

11- Which of the pairs given below are correctly matched?

1. Subsonic Missile - 0.9 Mach

2. Supersonic missile - above 3 Mac

3. Hypersonic Missile - 5 or more Mach Select the correct answer using the code given below:

(a) 1 only

(b) 1 and 3 only

(c) 2 and 3 only

(d) 1, 2 and 3

12- Consider the following statements with respect to Calcium Carbide used in artificial ripening of fruits.

1. It decomposes micronutrients present in the fruits.
2. It is banned under Food Adulteration Act, 1954.

Which of the above statements is/are correct?

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

13- Consider the following statements related to Lithium-ion Batteries:

1. They are light-weight and have high energy density as compared to other types of batteries.
2. They are much cheaper to manufacture as compared to Nickel Cadmium batteries.
3. India has been able to meet most of its Lithium-ion battery needs through domestic production without the need for imports.

Which of the statements given above is/are correct?

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

14- Consider the following statements with respect to Aflatoxins:

1. It is produced by bacteria.
 2. It grows in cold and dry conditions.
- 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- Which of the following have application of Block chain technology?

1. Crypto currency
 2. Tracing origin of food
 3. Fact checking of inline information
- Select the correct answer using the code given below:
- (a) 1 only
 - (b) 1 and 2 only

(c) 2 and 3 only

(d) 1, 2 and 3

16- Consider the following statements:

1. LIGO observatory set up in India will be the 4th such observatory across the world.

2. It is being set up in Tamil Nadu 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

17- Which of the following sectors is not included in the NITI Aayog's focus regarding "National AI Strategy":

1-Agriculture

2-MSME

3-Education

4-Infrastructure

5-Oil and Natural Gas

Select the correct code:

(a) 1, 2 and 4 only

(b) 2 and 5 only

(c) 3 and 5 only

(d) 1 and 3 only

18- Which of the following given statements is/are not true about India's supercomputer Param Siddhi?

1-It is ranked 3rd among top 500 most powerful non-distributed computer systems in the world.

2-It has been developed under the National Supercomputing Mission.

Which of the given statements is/are correct?

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

19- Consider the following statements regarding "Electronic Vaccine Intelligence Network"

1-It is a technology system that digitizes vaccine stocks.

2-It is aimed at strengthening immunization supply chain systems across the country.

Which of the given statements is/are correct?

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

20- With reference to Bird Flu, which of the following statements is/are correct?

- 1. It is highly infectious as it readily spread from human to human.
- 2. Birds are the only host carriers of this virus

Select the answer using the code given below

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

21. With reference to Mahanadi River, consider the following statements:

- 1. It rises from a place in Madhya Pradesh to the south of Amarkantak.
- 2. The catchment area of the river basin extends over Chhattisgarh, Odisha and Madhya Pradesh only.

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**

22. Consider the following statements:

- 1. The Information Fusion Centre for the Indian Ocean Region (IFC-IOR) will serve the countries that have White Shipping Information Exchange only.
- 2. India has a signatory of the Trans Regional Maritime Network (T-RMN) agreement.

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. Which of the following sports are included in Khelo India Youth Games?

- 1. Gatka
- 2. Kalaripayattu

3. Thang-Ta

Select the correct answer using the code given below:

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

24. Consider the following statements:

1. The State Government can declare animals as vermin under the Wildlife Protection Act, 1972.
2. Rhesus Macaque monkeys are protected species under Schedule II of the Wildlife (Protection) Act, 1972.

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- With reference to the Centre for Development of Telematics (C-DOT), consider the following statements:

1. C-DOT was established as a telecom research and development centre of the Department of Telecommunications.
2. The central registry for the PM-WANI scheme will be handled by the C-DoT.

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