

Que-1 With reference to 'Puneet Sagar Abhiyan', recently launched, consider the following statements

- 1- Launched by the Ministry of Drinking Water and Sanitation.
- 2- To clean Sea Shores/Beaches and other water bodies including rivers & lakes, of plastic & other waste.
- 3- The purpose of the Abhiyan is to educate locals and sensitise them about 'Swachh Bharat'.

Which of the following given above is/are correct

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

Que-2 Consider the following statements about Eco-sensitive zone (ESZ)

- 1- These are areas in India notified by the Ministry of Environment, Forests and Climate Change (MoEFCC).
- 2- These are areas around Protected Areas, National Parks and Wildlife Sanctuaries.

3- The Environment (Protection) Act, 1986 mention the word "Eco-Sensitive Zones".

Which of the following given above is/are correct

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

Que-3 Consider the following statements about Section 25 of Companies Act, 1956

- 1- It is a not-for-profit charitable company formed with the sole object of promoting commerce, art, science, religion, charity, or any other useful object.
- 2- Section 25 company is prohibited from payment of any dividend to its members.
- 3- Section 25 states that by its constitution the company is required/ intends to apply its profits, if any, or other income in promoting its objects and is prohibited from paying any dividend to its members."

Which of the following given above is/are correct

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

Que-4 With reference to seagrass, consider the following statements about

1- In India, seagrass is found in many coastal areas, most notably along Eastern Coast.

2- Seagrass trap sediments and prevent water from getting muddy, absorb carbon from the atmosphere, and prevent coastal erosion.

Which of the following given above is/are correct

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

Que-5 What is direct-to-mobile (D2M) broadcasting?

1- The technology is based on the convergence of broadband and broadcast, using which mobile phones can receive terrestrial digital TV.

2- Using D2M, multimedia content can also be beamed to phones directly.

3- The content should stream without any buffering whatsoever while not consuming any internet data.

Which of the following given above is/are correct

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

Que-6 What is Radio-frequency identification (RFID) technology?

1- This is a technology that uses radio waves to automatically identify various tagged objects.

2- This is a wireless tracking method that uses tags and readers to track objects.

3- Transponder, receiver, and transmitter are the three components of an RFID system.

Which of the following given above is/are correct

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

Que-7 What is a barcode?

1- This is a printed series of parallel bars or lines of varying width used for entering data into a computer system.

2- The bars are white on a black background and vary in width and quantity depending on the application.

3- The bars represent the binary digits zero and one, which represent the digits zero to nine processed by a digital computer.

Which of the following given above is/are correct

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

Que-8 Consider the following statements about

1- The World Environment Day is observed every year on 5th June.

2- World Environment Day was established in 1972 by the UN General Assembly at the time of Stockholm Conference.

3- The theme of World Environment Day 2022 is ' Only Our Earth'.

Which of the following given above is/are correct

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

ANSWERS

1- (d)

- Launched by National Cadets Corps, NCC.

2- (a)

- The Environment (Protection) Act, 1986 does not mention the word "Eco-Sensitive Zones".
- The Environment (Protection) Act, 1986 does not mention the word "Eco-Sensitive Zones". However, Section 3(2)(v) of the Act, says that Central Government can restrict areas in which any industries, operations or processes or class of industries, operations or processes shall not be carried out or shall be carried out subject to certain safeguards.

- Besides Rule 5(1) of the Environment (Protection) Rules, 1986 states that central government can prohibit or restrict the location of industries and carrying on certain operations or processes on the basis of considerations like the biological diversity of an area, maximum allowable limits of concentration of pollutants for an area, environmentally compatible land use, and proximity to protected areas.

3- (c)

4- (a)

- In India, seagrass is found in many coastal areas, most notably in Gulf of Mannar and Palk Strait.

5- (c)

- The idea behind the technology is that it can possibly be used to directly broadcast content related to citizen-centric information and can be further used to counter fake news, issue emergency alerts and offer assistance in disaster management, among other things. Apart from that, it can be used to broadcast live news, sports etc. on

mobile phones. More so, the content should stream without any buffering whatsoever while not consuming any internet data.

6- (c)

- The RFID reader continually sends radio waves of a specific frequency in RFID system. If the object to which the RFID tag is attached is within the range of the radio waves, it provides feedback to the RFID reader, which then identifies the object based on the feedback.

7- (b)

- The bars are black on a white background and vary in width and quantity depending on the application.
- These barcodes are scanned using special optical scanners known as barcode readers, which come in a variety of shapes and sizes. The majority of these codes use only two different widths of bars, however some use four. The numbers that make up a barcode are also printed at the bottom. One of

the most well-known examples of a barcode is the QR code.

8- (a)

- The theme of World Environment Day 2022 is ' Only One Earth'.
- The World Environment Day is observed every year on 5th June. World Environment Day is celebrated across the world to raise an awareness and describe the importance of Mother nature.
- World Environment Day was established in 1972 by the UN General Assembly at the time of Stockholm Conference. This was the world's first conference to make an environment protection, a major issue. World Environment Day was first celebrated in the year 1974. This day has created a platform to raise an awareness that the world is facing the problem such as air pollution, plastic pollution, global warming and sea level increasing day by day.