

Q: Consider the following statement regarding recently launched Living Planet Report:

1. According to the report there has been a 69 per cent decline in the wildlife populations.
2. The report is released by IUCN.

Choose the correct option from the codes given below:

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

Ans: a

Explanation:

- There has been a 69 per cent decline in the wildlife populations of mammals, birds, amphibians, reptiles and fish, across the globe in the last 50 years, according to the latest 'Living Planet Report' by World Wide Fund for Nature (WWF).
- The Living Planet Index (LPI) featured about 32,000 populations of 5,230 species across the world.

Q: Consider the following statement:

1. The forex market is regulated by the SEBI.
2. RBI does not permit a bank to purchase dollars from the RBI.
3. Selling these dollars in the overseas cross currency market is also prohibited by the central bank.

Choose the correct option from the codes given below:

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

Ans: b

Explanation:

- The forex market is regulated by the RBI with impregnable exchange control regulations. All the player (banks) are required to be square or near square in their forex positions (spot or forward) at the close of business hours each day.
- The second possibility could be of the purchasing bank wishing to speculate. This possibility is impermissible since the RBI does not permit a bank to purchase dollars from the RBI and speculate in the interbank market.
- Selling these dollars in the overseas cross currency market is also prohibited by the central bank. So, unless there is demand from a bank's customers to remit dollars abroad, the RBI will just not be able to sell the dollars in the interbank market due its own regulations.

Q: Consider the following statement regarding exercise "Prasthan":

1. It was conducted in the Krishna Godavari Basin Offshore Development Area (ODA).
2. It aims to integrate the efforts of all maritime stakeholders involved in offshore defence.

Choose the correct option from the codes given below:

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

Ans: c

Explanation:

- Recently, an offshore security exercise, 'Prasthan' was conducted in the Krishna Godavari Basin Offshore Development Area (ODA) under the aegis of Headquarters, Eastern Naval Command.
- Conducted every six months, this exercise is an important element of ensuring offshore security and aims to integrate the efforts of all maritime stakeholders involved in offshore defence.

Q: Consider the following statement regarding RoboCap:

1. Massachusetts Institute of Technology (MIT) develops it.
2. It could be used to orally administer large protein drugs such as insulin.
3. It has a robotic cap that tunnels through the mucus barrier after reaching the small intestine.

Choose the correct option from the codes given below:

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

Ans: d

Explanation:

- Recently, researchers at the Massachusetts Institute of Technology (MIT) have developed a **robotic pill**.
- It could be used to **orally administer large protein drugs** such as insulin that consist of proteins or nucleic acids and are at the moment only injectable.
- **RoboCap developed by MIT**, has a **robotic cap** that **tunnels through the mucus barrier** after reaching the small intestine and allows the drugs to pass into cells lining the intestine.

Q: Consider the following statement regarding recently launched Living Planet Report:

1. Africa recorded a 66 per cent fall in its wildlife populations
2. Freshwater species populations globally reduced by 83 per cent.
3. The highest decline (94 per cent) was in the North America.

Choose the correct option from the codes given below:

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

Ans: a

Explanation:

- The highest decline (94 per cent) was in the Latin America and the Caribbean region.
- Africa recorded a 66 per cent fall in its wildlife populations from 1970-2018 and the Asia Pacific 55 per cent.
- Freshwater species populations globally reduced by 83 per cent, confirming that the planet is experiencing a biodiversity and climate crisis. Habitat loss and barriers to migration routes were responsible for about half of the threats to monitored migratory fish species.
- The vertebrate wildlife populations are plummeting at a particularly staggering rate in tropical regions of the world.