

Q: Consider the following statement regarding INS Sindhudhvaj:

1. It is a kilo class submarine.
2. India purchased this submarine from Russia
3. It is a nuclear powered submarine.

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:

- Recently, the Navy's Kilo-class submarine, INS Sindhudhvaj, was decommissioned from service at Visakhapatnam after 35 years in service.
- With the retirement of INS Sindhudhvaj, the 10 Kilo-class submarines that India bought from Russia between 1986 and 2000 are now down to seven conventional boats (as the Navy calls submarines).
- They are diesel-electric submarines that displace 3,000 tonnes, can dive to a depth of 300 metres, have a top speed of 18 knots, and can operate solo for 45 days with a crew of 53.

Q: Wildlife sanctuary in Madhya Pradesh is getting African Chhetah:

1. Kanha National Park
2. Kuno-Palpur National Park
3. Panna National Park

Choose the correct option from the codes given below:

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

Ans: b

Explanation:

- A wildlife sanctuary in Madhya Pradesh is getting ready for African cheetahs, which are being brought under an intercontinental translocation project in August 2022.
- Cheetahs will be introduced in the Kuno-Palpur National Park (KNP) in Sheopur district.
- KNP has made preparations for housing 12 to 15 cheetahs, including females, and has earmarked an area of five square kilometre having eight compartments in it for initially keeping the translocated animals.

Q: Recently, SBI released a report based on primary data of its agriculture portfolio across states. Consider the following statement:

1. The average income of the farmer increases from 2017-18 to 2021-22.
2. The income from allied and non-farm activities also grew during the same period.

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:

- The Study shows that between financial year 2017-18 and 2021-22, the average income of farmers rose by 1.3 -1.7 times across India, while in some crops like soybean in Maharashtra and cotton in Karnataka, incomes have in fact doubled during the same time.

- The increase in income of farmers growing cash crops has been more than those growing non-cash crops between FY18 and FY22.
- The income from allied and non-farm activities grew by a significant 1.4-1.8 times in line with the increase in farmers' income during the same period.

Q: Recently Kerala State Assembly had asked Central government to exclude certain items from Ecologically Sensitive Zones. Which among the following is among them?

- a) State's human habitations
- b) Farmlands
- c) Public institutions
- d) All the above

Ans: d

Explanation:

- Recently, the Kerala State Assembly unanimously passed a resolution urging the Central government to exclude the State's human habitations, farmlands and public institutions from the purview of the Ecologically Sensitive Zones (ESZ), recently notified by the Supreme Court, to be set-up around all protected forests in the country.
- The Assembly also called upon the Centre to notify the zones by considering the State government's proposals that marked the ESZ as zero around 10 protected areas of the State, urging the union government to enact laws for the purpose.

Q: Consider the following statement regarding Sanda method of cultivation:

1. It is a double-transplanting method of paddy cultivation under conditions of delayed rainfall.
2. Paddy yields from Sanda are said to be better than from the regular one-step transplanting.
3. It is mainly practiced in North-eastern States.

Choose the correct option from the codes given below:

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

Ans: a

Explanation:

- Interestingly, in eastern UP, farmers with access to basic irrigation also practise the 'Sanda' double-transplanting method of paddy cultivation under conditions of delayed rainfall.
- In this case, the seedlings are uprooted after 25 days in the nursery and replanted in a puddled field that is only about twice the former's area.
- The plants after establishment begin tillering and are, thus, rejuvenated for the next 10-15 days. When the rains come, they are again uprooted and replanted in the main field 10 times the size of the original nursery.
- Paddy yields from Sanda are said to be better than from the regular one-step transplanting. The reason for it is that the Sanda plants have already tillered and their establishment in the main field would be near 100% with little mortality.