

Q: Consider the following statement:

1. UNMESHA is Asia's largest literature festival in terms of the number of languages represented.
2. UTKARSH festival showcases the folk and tribal Performing Arts.
3. These festivals is organised by Sahitya Akademi only.

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:

- UNMESHA is India's most inclusive and Asia's largest literature festival in terms of the number of languages represented.
- UTKARSH festival showcases the folk and tribal Performing Arts. It casts a spotlight on the treasure trove of India's folk and tribal heritage, endowing these expressive art forms with a resplendent stage to captivate and enthral.
- These festivals were organised by Sahitya Akademi and Sangeet Natak Akademi, respectively, with the purpose of celebrating inclusivity and cultural diversity.

Q: Consider the following statement regarding Trachoma:

1. It is a rain disease.
2. Blindness from trachoma is irreversible.
3. It is a tropical disease.

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:

- Trachoma is a disease of the eye caused by infection with the bacterium *Chlamydia trachomatis*.
- It is a public health problem in 42 countries, and is responsible for the blindness or visual impairment of about 1.9 million people.
- Blindness from trachoma is irreversible.
- It is a neglected tropical disease and the world's leading infectious cause of blindness.

Q: Consider the following statement regarding Neerakshi:

1. It is an autonomous underwater vehicle (AUV) designed to detect mines.
2. Named "Neerakshi" meaning "Eyes in the Water".

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:

- Neerakshi is an autonomous underwater vehicle (AUV) designed to detect mines.

- Named “Neerakshi” meaning “Eyes in the Water” is first of its kind in the country and is expected to undergo user trials by the Indian Navy, Coast Guard, and Army before a commercial launch.
- It is a collaboration of Kolkata-based warship maker Garden Reach Shipbuilders and Engineers (GRSE) Ltd and MSME entity Aerospace Engineering Private Ltd (AEPL).
- The AUV, currently capable of mine detection, is part of GRSE's broader ambitions to create autonomous sea surface vehicles, sea-based drones, and explore green propulsion technologies.

Q: Consider the following statement regarding Raynaud’s Phenomenon:

1. It is a condition that causes the blood vessels in the extremities to narrow, restricting blood flow.
2. An attack usually happens from exposure to cold or emotional stress.
3. During attack, the arterioles and capillaries in your fingers and toes tighten more than they should.

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:

- Raynaud ’s phenomenon is a condition that causes the blood vessels in the extremities to narrow, restricting blood flow.
- The episodes or “attacks” usually affect the fingers and toes.
- In rare cases, attacks occur in other areas such as the ears or nose.
- An attack usually happens from exposure to cold or emotional stress.
- During a Raynaud’s attack, the arterioles and capillaries in your fingers and toes tighten more than they should.
- This condition is named for the French doctor who first identified it in 1862. You may hear it called by many names. There are two types:

Q: Consider the following statement regarding Samudrayaan Project:

1. It is India’s first manned mission to explore the deep ocean.
2. The project is part of the larger Deep Ocean Mission
3. It is designed to study the deep ocean resources only.

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:

- Samudrayaan Project is India’s first manned mission to explore the deep ocean.
- It is designed to study the deep ocean resources and conduct biodiversity assessments as well.
- The mission will not disturb the ecosystem as the submersible is used solely for exploration purposes.
- The project is part of the larger Deep Ocean Mission, which supports the Central Government’s Blue Economy policy.
- The Ministry of Earth Sciences (MoES) is the nodal ministry to implement this multi-institutional ambitious mission.