

**Q: Consider the following statement regarding ATAGS:**

1. It is an indigenous calibre howitzer gun.
2. The specialised gun system is compatible with C4I.
3. The ATAGS is configured with manual drive.

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 ATAGS is an indigenous 155 mm x 52 calibre howitzer gun.
- Howitzers is an umbrella term for a category of long-range artillery guns.
- The ATAGS is configured with all electric drive to ensure maintenance free and reliable operation over a longer period of time.
- It has advanced features in terms of high mobility, quick deployability, auxiliary power mode, advanced communication system, automatic command and control system with night firing capability in the direct fire mode.
- The specialised gun system is compatible with C4I (command, control, communications, computers, and intelligence) systems like the Artillery Combat Command and Control System (ACCCS) called Shakti for technical fire control, fire planning, deployment management, and operational logistics management of the Army.

**Q: Consider the following statement regarding Vein of Galen Malformation (VOGM):**

1. It is a type of lungs disorder.
2. It happens when arteries in the brain connect directly with vein.
3. The condition causes blood to rush toward the heart and lungs.

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:

- Fetal surgery was performed to treat the condition known as Vein of Galen Malformation (VOGM).
- It is a type of rare blood vessel abnormality inside the brain, which, happens when arteries in the brain connect directly with veins, instead of connecting with capillaries, which help slow blood flow.
- The condition causes blood to rush toward the heart and lungs, forcing them to work overtime to get blood to the rest of the body.
- This can lead to congestive heart failure in some infants. Meanwhile, it could also lead to a jump in blood pressure in the arteries from the heart to the lungs.

**Q: Consider the following statement regarding in-utero surgery:**

1. It is performed before the baby was born.
2. The surgery was performed when the fetus was just over 34 weeks of gestational age.

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 in-utero surgery was performed before the baby was born, guided by ultrasound procedures. The procedure resulted in the complete elimination of the expected aggressive postnatal natural history.
- The condition was found in an ultrasound when the fetus was 30 weeks old and doctors told the parents that the baby had an enlarged heart after which VOGM was diagnosed.
- The surgery was performed when the fetus was just over 34 weeks of gestational age.

**Q: Consider the following:**

1. Tree plantation
2. Waste management
3. Eco mark-based green credit

Which among the above had been identified under the Environment (Protection) Act for which green credit can be earned?

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

Ans: d

Explanation:

- The Ministry of MoEFCC has identified **eight select activities under the Environment (Protection) Act** for which green credit can be earned.
- **These include**
  - a) tree plantation;
  - b) water conservation, water harvesting and water use efficiency/savings;
  - c) promoting natural and regenerative agricultural practice;
  - d) waste management;
  - e) air pollution reduction;
  - f) mangrove conservation and restoration;
  - g) ecomark-based green credit; and
  - h) construction of buildings and other infrastructure using sustainable technology and material.

**Q: With reference to Financial Action Task Force (FATF), Consider the following statements:**

1. It was established at the G7 Summit of 1989 in Paris.
2. It currently has 13 members and India is not a member country.
3. At the end of every plenary meeting, it comes out with only one kind of list i.e. blacklist of countries.

Which of the statements given above is/are correct?

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

Ans: a

Explanation:

- FATF was established at the G7 Summit of 1989 in Paris.
- The FATF currently has 39 members. India is a member country.
- At the end of every plenary meeting, FATF comes out with two lists of Countries. As for the black list, it means countries designated as high-risk jurisdictions subject to call for action. The grey countries are designated as "jurisdictions under increased monitoring", working with the FATF to counter criminal financial activities.