



## UPSC CURRENT AFFAIRS MCQS 04-09-2023

Ques:1

With reference to Liquid Apogee Motor (LAM), consider the following statements

- 1.It is a type of rocket engine used in space missions to adjust the orbit of a spacecraft.
- 2.It is specifically designed to perform orbital insertion, orbit adjustments, and other manoeuvres that require changes in velocity.

Which of the above statements is/are correct?

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

Solution: (c)

The Liquid Apogee Motor (LAM) is a type of rocket engine used in space missions to adjust the orbit of a spacecraft. It is specifically designed to perform orbital insertion, orbit adjustments, and other manoeuvres that require changes in velocity. It is developed by the Liquid Propulsion Systems Centre (LPSC), the ISRO centre for liquid and cryogenic propulsion in Thiruvananthapuram.

Propellants for the engine: mono-methyl hydrazine (MMH) and MON3 (MON, short for mixed oxides of nitrogen).

Ques:2

With reference to Asian elephant, consider the following statements

- 1.It is the largest land mammal in Asia.
- 2.They are larger than African bush elephant.
- 3.Tusks typically absent in females, more prominent in males.

How many of the above statements is/are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Solution: (b)

Asian Elephant is the largest land mammal in Asia. They are smaller than African bush elephant. Tusks typically absent in females, more prominent in males Large and well-developed neocortex, similar to that found in humans, apes, and some dolphin species.



Ques:3

1. With reference to Minor Irrigation Census (MIC), consider the following statements
2. The First Census of Minor Irrigation schemes was conducted with reference year 1986-87.
3. The MIC is a compendium of borewells, tube wells, and other privately owned irrigation sources by farmers.
4. The latest edition of the Minor Irrigation Census (MIC) finds that electricity is the dominant source (3/4th) of power to extract water, over diesel, windmills, and solar pumps.

How many of the above statements is/are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Solution: (c)

The latest/sixth edition of the Minor Irrigation Census (MIC) finds that electricity is the dominant source (3/4th) of power to extract water, over diesel, windmills, and solar pumps. The MIC is a compendium of borewells, tube wells, and other privately owned irrigation sources by farmers. The First Census of Minor Irrigation schemes was conducted with reference year 1986-87. This is the Sixth MIC, which has been conducted with reference year 2017-18 in all States and UTs except Delhi, Daman & Diu, Dadra and Nagar Haveli and Lakshadweep.

Ques:4

Operation Gaja recently seen in news is related to

- a) Wetlands
- b) Mangroves
- c) Snakes
- d) Elephants

Correct Answer

Solution: (d)

A wild elephant caused destruction in Ramapuram village in Andhra Pradesh's Chittoor district, killing farmers and injuring others. The Forest Department and villagers credited the trained elephants for their crucial role in capturing the wild elephant during "Operation Gaja."



Ques:5

With reference to Preeclampsia, consider the following statements

- 1.It is a serious blood pressure condition that develops during pregnancy.
- 2.People with preeclampsia often have high blood pressure (hypertension) and high levels of protein in their urine (proteinuria).
- 3.Low aspirin at early stages of the disease can reduce the risk of developing preeclampsia.

How many of the above statements is/are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Solution: (c)

Preeclampsia is a serious blood pressure condition that develops during pregnancy.

It typically develops after the 20th week of pregnancy. It can also affect other organs in the body and be dangerous for both the mother and her developing foetus. People with preeclampsia often have high blood pressure (hypertension) and high levels of protein in their urine (proteinuria) with changes in vision, including temporary loss of vision, blurred vision or light sensitivity. The best clinical evidence for the prevention of preeclampsia is the use of low-dose aspirin.