

Q: Consider the following statement regarding unmanned aerial vehicle (UAV) 'Nagastra 1':

1. It can neutralise any hostile threat with GPS enabled precision strike.
2. Abort, recover and reuse features of this loiter munition make this system superior to similar class system.
3. It is equipped with warheads to defeat soft skin and hard skin target.

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:

- Nagastra -1 having an indigenous content of more than 75 per cent has many world class features.
- In a 'Kamikaze mode' it can neutralise any hostile threat with GPS enabled precision strike with an accuracy of 2 m. The fixed wing electric UAV has an endurance of 60 min with a man-in-loop range of 15 km and autonomous mode range of 30 km.
- In addition to day-night surveillance cameras the loiter munition is equipped with fragmenting warhead to defeat soft-skin targets.
- In case a target is not detected or if the mission is aborted, the loiter munition can be called back and made a soft landing with a parachute recovery mechanism enabling it to be reused multiple times.
- Abort, recover and reuse features of this loiter munition make this system superior to similar class of systems developed by advanced countries.

Q: Consider the following statement regarding PSLV Orbital Experimental Module, POEM:

1. PSLV third stage remains in orbit and becomes space junk.
2. It is powered by solar panels.
3. It is fitted with its own Navigation Guidance and Control (NGC) system.

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:

- Dubbed PSLV Orbital Experimental Module, Poem is the spent fourth stage of the launch vehicle that would be used as an orbital platform to carry out scientific experiments through non-separating payloads.
- PSLV is a four-stage rocket, and while the first three stages are jettisoned into the ocean after they push the mission to desired orbit, the fourth stage remains in orbit and becomes space junk.
- ISRO is now repurposing this fourth stage to use an experimental platform.
- The fourth stage or the orbital experimental platform, Poem, is powered by solar panels and is fitted with its own Navigation Guidance and Control (NGC) system, which helps in attitude stabilization.
- The payloads will be switched on, once the primary and the secondary satellites from Singapore are deployed in their orbits.

Q: Consider the following statement regarding Azadi Ka Amrit Mahotsav:

1. The main theme of this Mahotsav is Inclusive Development.
2. Ministry of Rural Development (MoRD) is the lead Ministry of this Mahotsav.

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:

- India is observing Azadi Ka Amrit Mahotsav (AKAM) till August, 2023. One of the themes under AKAM is Inclusive Development (Samaveshi Vikaas).
- Ministry of Rural Development (MoRD) is the lead Ministry for the same, with four other supporting Ministries/Departments of the Government of India.

Q: Consider the following statement regarding UDAN 5 Scheme:

1. No predetermined routes would be offered.
2. The same route will not be awarded to a single airline more than once.
3. Airlines would be required to commence operations within 4 months of the award of the route.

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:

- UDAN Scheme was launched as a Regional Connectivity Scheme (RCS) under the Ministry of Civil Aviation in 2016, to provide affordable, economically viable and profitable air travel on regional routes to the common man even in small towns.
- It envisages providing connectivity to un-served and underserved airports of the country through the revival of existing airstrips and airports.
- No predetermined routes would be offered. Only Network and Individual Route Proposal proposed by airlines will be considered.
- The same route will not be awarded to a single airline more than once, whether in different networks or in the same network.
- Airlines would be required to commence operations within 4 months of the award of the route. Earlier this deadline was 6 months.

Q: Consider the following statement regarding SVAMITVA-Meri Sampatti, Mera Haq:

1. The campaign aims to provide 'Record of Rights' to property owners in inhabited area.
2. This Campaign is led by Ministry of Rural Development.

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:

- This Campaign is led by Ministry of Panchayati Raj (MoPR). The campaign aims to provide 'Record of Rights' to property owners in inhabited area (abadi) of a village by the use of latest drone-based survey technology under SVAMITVA Scheme.
- **It aims to generate 1.50 crore "Records of Rights"/ Property Cards under SVAMITVA Scheme by August 2023.**