

Que-1 With reference to Inflatable Aerodynamic Decelerator (IAD), recently in News, Consider the following statements

- 1- Designed and developed by ISRO's Vikram Sarabhai Space Centre (VSSC).
- 2- The IAD was recently successfully test flown in a 'Rohini' sounding rocket from Thumba Equatorial Rocket Launching Station.
- 3- IAD technology can also be used in ISRO's future missions to Moon.

Which of the following given above is/are correct

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

Que-2 With reference to Nano urea, consider the following statements

- 1- A product developed by The Council of Scientific and Industrial Research, CSIR.
- 2- Nano urea is a patented and indigenously made liquid that contains nanoparticles of urea, the most crucial chemical fertiliser for farmers in India.
- 3- A single half-litre bottle of the liquid can compensate for a 45kg sack of urea that farmers traditionally rely on.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 only

- c) 1, 2 and 3 d) 2 and 3 only

Que-3 With reference to Ramon Magsaysay Award, consider the following statements

- 1- Established in 1957, the Ramon Magsaysay Award was founded to preserve former Phillippine President Ramon Magsaysay's example of integrity in governance and idealism in a democratic society.
- 2- It was funded by the Phillippine government's.
- 3- The Award recognises and honours individuals and organisations in Asia, regardless of race, creed, gender, or nationality, who have achieved distinction and have helped others generously without aiming for public recognition

Which of the following given above is/are correct

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

Que-4 Consider the following statements

- 1- Section 437 of the CrPC deals with bail in case of non-bailable offences.
- 2- A police officer may arrest a person who has committed a cognisable offence without a judicial order or a warrant (Section 41).
- 3- A proviso was introduced in the CrPC in 2009 to the effect that where a woman is to be arrested, only a female police officer may touch the woman's person, unless circumstances otherwise require.

Which of the following given above is/are correct

- a) 1 and 2 only b) 3 only
c) 1, 2 and 3 d) 2 and 3 only
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Que-5 What is contempt of court?

- 1- Around the world, "contempt of court", or simply "contempt", is understood as a set of legal provisions that firewall courts, and safeguard and protect their ability to dispense justice.
- 2- It is also understood to describe acts of defiance or disrespect of court orders or judges, and to ascribe motives to them.
- 3- According to The Contempt of Courts Act, 1971, contempt of court can either be civil contempt or criminal contempt.

Which of the following given above is/are correct

- a) 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 and 3 only
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Que-6 What are floppy disks?

- 1- A floppy disk is a removable disk storage device used to save computer data and programmes.
- 2- By 2011, all floppy disk manufacturing ceased.
- 3- First developed by Microsoft, is only able to store about 800 KB of data, which is about 0.0008 GB.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 only
c) 1, 2 and 3 d) 2 and 3 only
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Que-7 What is kurki?

- 1- Kurki orders are executed under Section 60 of Criminal Procedure Code, 1908.
- 2- Apart from banks, private moneylenders, commission agents also get these decrees against farmers from time to time.
- 3- Kurki means attachment of a farmer's land, already pledged to the money lending

institution or individual, in case of a loan default.

Which of the following given above is/are correct

- a) 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 and 3 only
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Que-8 With reference to PM-SHRI scheme, consider the following statements

1- Pradhan Mantri Schools for Rising India (PM-SHRI) Yojana.

2- 14,500 schools across the country will be developed and upgraded under this scheme.

Which of the following given above is/are correct

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

1- (a)

- Designed and developed by ISRO's Vikram Sarabhai Space Centre (VSSC), IAD is a game-changer with multiple applications for future missions including to Mars and Venus.
- The IAD was successfully test flown in a 'Rohini' sounding rocket from Thumba Equatorial Rocket Launching Station.
- Rohini sounding rockets are routinely used for flight demonstration of new technologies being developed by ISRO as well as by scientists from India and abroad.
- The IAD was initially folded and kept inside the payload bay of the rocket. At around 84 km altitude, the IAD was inflated and it descended through the atmosphere with the payload part of a sounding rocket.
- The IAD has systematically reduced the velocity of the payload through aerodynamic drag and followed the predicted trajectory.
- After witnessing the launch, ISRO Chairman S Somanath said, this demonstration opens a gateway for cost-effective spent stage recovery using the Inflatable Aerodynamics

Decelerator technology and this IAD technology can also be used in ISRO's future missions to Venus and Mars.

2- (d)

- A product developed by the Indian Farmers and Fertiliser Cooperative (IFFCO).
- By 2025, India's domestic urea production as well as that of nano-urea would together mean India would be "self sufficient," in the manufacture of urea -the most important fertiliser for India's farmers-- and would no longer require the 90 lakh tons that it imported every year and would save the country close to ₹40,000 crore.
- The standard practice when sowing crops such as wheat, rice, mustard is to use at least two 45-kg sacks of urea, an inorganic compound and the crops' main source of nitrogen. The first is applied during the early sowing or transplantation stage of the crop. The second stage application is done when the plant has sprouted a canopy of leaves, and is approaching the reproductive phase of plant growth.

3- (b)

- It was funded by the Rockefeller Brothers trustees with Philippine government's agreement.

- Ramon Magsaysay was the third president of the Philippines after World War II. The foundation gives the prize to Asians achieving excellence in their field. It has six categories, five of which were discontinued in 2009:

- Government Service (Until 2008)
- Public Service (Until 2008)
- Community Leadership (Until 2008)
- Journalism, Literature, and Creative Communication Arts (Until 2008)
- Peace and International Understanding (Until 2008)
- Emergent Leadership (2001–)
- Uncategorized (2009–)

4- (c)

- Section 437 of the CrPC deals with bail in case of non-bailable offences. It says a person shall not be released on bail if there is reasonable ground to believe that he has committed an offence punishable with death or life imprisonment; or, if he has been previously been convicted for an offence punishable with death, life imprisonment, or for a term of seven years or more; or been convicted on two or more occasions on other offences with a term between three and seven years. However, it also

contains exceptions in a proviso that says the court may grant bail even in these cases, “if such person is under the age of 16 or is a woman or is sick or infirm”.

- A police officer may arrest a person who has committed a cognisable offence without a judicial order or a warrant (Section 41). If the person does not submit to custody based on the word or action of the police, Section 46 enables the police officer to confine the person physically to effect the arrest. A proviso was introduced in the CrPC in 2009 to the effect that where a woman is to be arrested, only a female police officer may touch the woman’s person, unless circumstances otherwise require.
- Earlier, through a 2005 amendment, a subsection was added to Section 46 to prohibit the arrest of a woman after sunset or before sunrise. However, in exceptional circumstances, a woman police officer can obtain the prior permission of a judicial magistrate to make the arrest.

5- (c)

- The Cornell Law School’s Legal Information Institute defines contempt as “the disobedience of an order of a court” and, “also conduct

tending to obstruct or interfere with the orderly administration of justice”.

- Civil contempt means “wilful disobedience to any judgment, decree, direction, order, writ or other process of a court, or wilful breach of an undertaking given to a court”.
- Criminal contempt, on the other hand, is attracted by “the publication (whether by words, spoken or written, or by signs, or by visible representations, or otherwise) of any matter or the doing of any other act whatsoever which:

(i) scandalises or tends to scandalise, or lowers or tends to lower the authority of, any court; or

(ii) prejudices, or interferes or tends to interfere with, the due course of any judicial proceeding; or

(iii) interferes or tends to interfere with, or obstructs or tends to obstruct, the administration of justice in any other manner.”

6- (a)

- First developed by IBM, is only able to store about 800 KB of data, which is about 0.0008 GB.

7- (d)

- Kurki orders are executed under Section 60 of Civil Procedure Code, 1908. The land which is pledged by the farmer to the bank or money lender gets registered in their name. In some cases, the land is auctioned as well. The process begins after the money lender moves court to get kurki orders in case the farmer is unable to pay back his loan. In kurki, attachment of farmer's land as well as his tractor can be done as per the Section 60.

8- (c)

- The PM-SHRI schools will have a modern, transformational and holistic method of imparting education. Emphasis will be on a discovery oriented, learning centric way of teaching. Focus will also be on modern infra including latest technology, smart classrooms, sports and more.
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