

## TEST - 27 (IPM 2021)

### 53. In which of the following are the applications of Earth Observation Satellites?

1. Urban planning
2. Mineral prospecting
3. Disaster management
4. Ocean resource management

Select the correct answer using the code given below:

- A. 1, 2 and 3 only      B. 2, 3 and 4 only      C. 1, 2 and 4 only      D. 1, 2, 3 and 4

### 54. Consider the following statements regarding Mars Orbiter Mission

1. Mars Orbiter Mission is ISRO's first interplanetary mission to planet Mars with an orbiter craft.
2. Autonomous fault detection and recovery were critical technology used in this mission.

Which of the statements given above is/are correct?

- A. 1 only      B. 2 only      C. Both 1 and 2      D. Neither 1 nor 2

### 55. Consider the following statements regarding Indian Mini Satellite -2 (IMS-2)

1. IMS-2 Bus is evolved as a standard bus of 500 kg class which includes a payload capability of around 400kg.
2. The first mission of IMS-2 is SARAL.
3. SARAL is a co-operative mission between ISRO and CNES with payloads from CNES and spacecraft bus from ISRO.

Which of the statements given above are correct?

- A. 1 and 2 only      B. 2 and 3 only      C. 1 and 3 only      D. 1, 2 and 3

### 56. Consider the following statements regarding Scramjet Engine

1. It works based on the technology of Air Breathing Propulsion System.
2. The Scramjet engine designed by ISRO uses Hydrogen as fuel and the Oxygen from the atmospheric air as the oxidizer.

Which of the statements given above is/are correct?

- A. 1 only      B. 2 only      C. Both 1 and 2      D. Neither 1 nor 2

### 57. Consider the following statements regarding Global Blockchain Business Council (GBBC)

1. The GBBC is an initiative of World Economic Forum, launched in 2017 in Davos, Switzerland.
2. The Global Blockchain Business Council (GBBC) is the leading industry association for the blockchain technology ecosystem.

Which of the statements given above is/are correct?

- A. 1 only      B. 2 only      C. Both 1 and 2      D. Neither 1 nor 2

### 58. Consider the following statements regarding Food Hygiene Rating Scheme

1. It is FSSAI's initiative for certification system for food businesses supplying food directly to consumers, either on or off premise.
2. The certification is done by Quality Council of India (QCI).

Which of the statements given above is/are correct?

- A. 1 only      B. 2 only      C. Both 1 and 2      D. Neither 1 nor 2

### 59. Consider the following statements regarding Project 17A program

1. P17A ships are the first gas turbine propulsion and largest combat platforms ever built at Garden Reach Shipbuilders and Engineers Limited (GRSE).
2. INS Himgiri was built under Project 17A.

Which of the statements given above is/are correct?

- A. 1 only      B. 2 only      C. Both 1 and 2      D. Neither 1 nor 2

### 60. Consider the following statements regarding ANITA

1. It involves an array of radio antennas attached to a helium balloon which flies over the Antarctic ice sheet at 37,000 meters.
2. ANITA is the first Roscosmos observatory for neutrinos of any kind.

Which of the statements given above is/are correct?

- A. 1 only      B. 2 only      C. Both 1 and 2      D. Neither 1 nor 2

### 61. Consider the following statements regarding Odyssey Orbiter Mission

1. The Odyssey mission is NASA's longest-lasting spacecraft at Mars.
2. Its mission includes making the first global map of the amount and distribution of many chemical elements and minerals that make up the Martian surface.

Which of the statements given above is/are correct?

- A. 1 only      B. 2 only      C. Both 1 and 2      D. Neither 1 nor 2