

SPACE & SATELLITE BASED INDIAN GENERAL AWARENESS MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Q1. An artificial satellite can be tracked very precisely from the Earth by using

- a) Doppler effect
 - b) Radar
 - c) Pulsar
 - d) Sonar
-

Q2. Global satellite called GlobalSat for DRR was proposed to be named after which of the following:

- a) Jagadish Chandra Bose
 - b) Vikram Sarabhai
 - c) Dr. APJ Abdul Kalam
 - d) Srinivasa Ramanujan
-

Q3. Rocket works on the principle of the following.

- a) Avogadro's concept
 - b) Energy conservation
 - c) Bernoulli's theorem
 - d) Momentum conservation
-

Q4. Cryogenic engines final application in

- a) Sub-marine propulsion
- b) Frost-free refrigerators

c) Researches in superconductivity

d) Rocket technology

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Q5. Which project uses big ballons floating at a height of 20 kilometres above earth surface for transmission of internet services?

a) Project Loon

b) GEANT

c) Internet 2

d) Project Connect

Q6. NASA-U.S. space agency, has launched a telescope named Kepler to find

a) Distant stars

b) Distant planets

c) Earth like Planets

d) Distant satellites

Q7. Asia's biggest "Multi-Application Solar Telescope (MAST)" was recently inaugurated in which state?

a) Himachal Pradesh

b) Madhya Pradesh

c) Rajasthan

d) Andhra Pradesh

Q8. Satellites used for telecommunication relay are kept in a geostationary orbit. A satellite is said to be in such as orbit when :

- The orbit is geosynchronous.
- The orbit is circular.
- The orbit lies in the plane of the earth's equator.
- The orbit is at an altitude of 22,236.

Select the **correct** answer using the codes given below :

- a) 2 and 4
- b) 1, 3 and 4
- c) 1, 2 and 3
- d) 1, 2, 3 and 4

Q9. Consider the following Statements:

- China has launched Yaogan-26 a remote sensing satellite.
- It will mainly be used for scientific experiments, land surveys, crop yield estimates and disaster prevention.
- China launched Yaogan-1, first satellite in the Yaogan series in 2006.

Which of the statements given above is/are correct?

- a) 2 and 3 only
- b) 1 and 3 only
- c) 1 and 2 only
- d) All of the above

Q10. The fuel tanks of the spacecraft 'Discovery' that was launched into space on 4 July, 2006 was filled with

- a) Liquid hydrogen only
- b) Liquid oxygen only
- c) Mixture of liquid hydrogen, liquid oxygen and liquid helium
- d) Mixture of liquid hydrogen and liquid oxygen

Q11. Match the following pairs.

List I	List II
(Launch Vehicle)	(Satellite)

A. Satellite Launch Vehicle-3 (SLV-3)	1. Chandrayaan-1
B. Augmented Satellite Launch Vehicle (ASLV)	2. Rohini
C. Polar Satellite Launch Vehicle (PSLV)	3. SROSS-C
D. UranGeosynchronous Satellite Launch Vehicle (GSLV) us	4. EDUSAT

Which of the following codes are **correctly** matched? Code (a.) (b.) (c.) (d.)

a) 1 2 3 4

b) 2 3 4 1

c) 3 1 2 4

d) 2 3 1 4

Q12. Which of the following pairs is/are **correctly** matched? Spacecraft Purpose

- Cassini-Huygens - Orbiting the Venus and transmitting data to the Earth
- Messenger - Mapping and investigating the Mercury
- Voyager 1 and 2 - Exploring the outer solar system

Select the **correct** answer using the code given below.

a) Only 1

b) Only 2 and 3

c) 1, 2 and 3

d) Only 1 and 3

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Q13. Consider the following statements. The Mangalyaan launched by ISRO

1. is also called the Mars Orbiter Mission.
2. made India the second country to have a spacecraft orbit the Mars after the USA.
3. made India the only country to be successful in making its spacecraft orbit the Mars in its very first attempt.

Which of the statements given above is/are correct?

a) Only 1

b) Only 2 and 3

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

Q14. India's first remote sensing satellite (IRS-IA) was launched from

- a) Baikanour
b) Cape Kennedy
c) Sriharikota
d) French Guana
-

Q15. Consider the following statements:

- The MESSENGER is Mercury Surface, Space. Environment Geochemistry, and Ranging.
- This is first spacecraft ever to orbit Mercury.

Which of the above statements is/are true?

- a) 1 and 2 Both
b) 2 only
c) 1 only
d) None
-

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Answers to the above questions :

Q1. Answer: (a)

Q2. Answer: (c)

Global satellite called GlobalSat for DRR was proposed to be named after Dr. APJ Abdul Kalam

Q3. Answer: (d)

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Q4. Answer: (d)

Q5. Answer: (a)

Google has recently approached Indian government to seek permission to set up the 'Project Loon' and Drone-based Internet transmission.

Q6. Answer: (c)

Q7. Answer: (c)

Multi-Application Solar Telescope (MAST), Asia's biggest telescope was inaugurated at the Udaipur Solar Observatory in Rajasthan.

Q8. Answer: (c)

A geostationary orbit (or Geostationary Earth Orbit - GEO) is a geosynchronous orbit directly above the Earth's equator (0° latitude), with a period equal to the Earth's rotational period and

an orbital eccentricity of approximately zero. It is the part of space about 35,786 km (22,236 miles) above sea level, in the plane of the equator, where neargeostationary orbits may be implemented.

Q9. Answer: (d)

The satellite was carried by a Long March-4B rocket, marking the 202th mission for the rocket family.

Q10. Answer: (d)

Q11. Answer: (d)

Q12. Answer: (b)

Q13. Answer: (d)

Q14. Answer: (a)

Q15. Answer: (a)

MESSENGER (an acronym of Mercury Surface, Space Environment, Geochemistry, and Ranging) is a robotic NASA spacecraft orbiting the planet Mercury, the first spacecraft ever to do so.

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