

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

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Q1. Apollo-8 was launched for space exploration on

- a) 6 January, 1998
 - b) 7 February, 1998
 - c) 21 December, 1968
 - d) 8 March, 1998
-

Q2. The Cryogenic engine is used in

- a) Boeing
 - b) Rapid rail engines
 - c) Nuclear reactor
 - d) Space shuttle
-

Q3. The Vikram Sarabhai Space Centre at Trivandrum is mainly concerned with

- Research in propellants for launching rockets.
- To launched sounding rockets to investigate problems of meteorology.
- Design and fabrication of spacecraft.
- Development of satellite launch.

Select the answer from the code given below.

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

Q4. List of few satellites manufactured by ISRO is given below along with the date of their launch. Which two of the following satellites failed to reach the orbit? Satellite Launch Date

- GSAT-2 - 8th May, 2003
- GSAT-4 - 15th April, 2010
- GSAT-5P - 25th December, 2010
- GSAT-12 - 15th July, 2011

Code

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

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Q5. Match List-I with List-II and select the **correct** answer using the code given below the lists.

List I	List II
(Organisations)	(Location)
A. ISRO	1. Thiruvananthapuram
B. IUCA	2. Pune
C. IUAC	3. Bengaluru
D. VSSC	4. New Delhi

Codes: A B C D

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

Q6. Consider the following statements.

- India launches its first fullfledged meteorological satellite (METSAT) in September, 2002.
- For the first time, the space vehicle PSLV C-4 carried a payload of more than 1000 kg into a geosynchronous orbit.

Which of these statements is/are correct?

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

Q7. The first Indian Communication Satellite APPLE was launched on

- a) 27 February, 1982
 - b) 18 September, 1981
 - c) 25 December, 1981
 - d) 19 June, 1981
-

Q8. India became the first country to send Educational Services Satellite in space, Edusat. When was the satellite launched?

- a) 20th September, 2003
 - b) 20th September, 2004
 - c) 20th December, 2003
 - d) 4th July, 2004
-

Q9. In which atmospheric layer, the communication satellites are located?

- a) Stratosphere
 - b) Ionosphere
 - c) Exosphere
 - d) Troposphere
-

Q10. With reference to the Reusable Launch Vehicle (RLV) programme of ISRO; identify the **correct** statement(s);

- RLV is based on SCRAMJET Technology.
- RLV will perform docking operations for manned space flights of ISRO.
- RLV is the advanced version of AVATAR.

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

Q11. Which one of the following is a spacecraft?

- a) Apophis
b) Cassini
c) Tech Sar
d) Spitzer
-

Q12. Low temperatures (cryogenics) find application in

- a) Space travel, surgery and magnetic levitation
b) Surgery, magnetic levitation and telemetry
c) Space travel, magnetic levitation and telemetry
d) Space travel, surgery and telemetry

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Q13. Aryabhata was launched on

- a) 19th April, 1975
b) 6th December, 1957

c) 2nd October, 1980

d) 31st January, 1958

Q14. The first U.S. rover which reached Mars in January 2004 was

a) Discovery

b) Pioneer

c) Vanguard

d) Spirit

Q15. Cryogenic engines use

a) Liquid chlorine as the oxidizer and liquid hydrogen as the fuel

b) Liquid oxygen as the oxidizer and liquid hydrogen as the fuel

c) Liquid sulphur dioxide as the oxidizer and liquid hydrogen as the fuel

d) Liquid fluorine as the oxidizer and liquid hydrogen as the fuel

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Answers to the above questions :

Q1. Answer: (c)

Q2. Answer: (d)

Q3. Answer: (a)

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Q4. Answer: (d)

Q5. Answer: (a)

Q6. Answer: (d)

Q7. Answer: (d)

Q8. Answer: (b)

Q9. Answer: (c)

Q10. Answer: (c)

Avatar is an ambitious program and with the kind of engine and material technologies required, such an SSTO launch system will take a long time to develop.

Accordingly, ISRO has decided to first develop a Two-Stage to Orbit (TSTO) reusable launch system for the immediate future by utilizing its current capabilities and target the development

of AVATAR in the long term.

To realize the TSTO and associated new technologies, ISRO has been working on the development of an RLV technology demonstrator (RLV-TD) and is setting up necessary technology development infrastructure.

Q11. Answer: (b)

Q12. Answer: (c)

Q13. Answer: (a)

Q14. Answer: (d)

Q15. Answer: (b)

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