

--	--	--	--	--	--	--	--

Q.1 Multiple Choice Questions**3**

- 1 The functioning of the satellite launch vehicle is based on
 - a. Newton's first law of motion
 - b. Newton's Second law of motion
 - c. Newton's Third law of motion
 - d. None of the above
- 2 Which one of the following is a Low Earth Orbit (LEO) satellite.
 - a. Navigational Satellite
 - b. Geostationary Satellite
 - c. International Space Station
 - d. All of the above
- 3 The structure of launch vehicle is decided by
 - a. weight of satellite
 - b. type of satellite orbit
 - c. Both a and b
 - d. None of the above

Q.2 Find the odd one out**2**

- 1 INSAT, PLSV, GSAT, IRNSS
- 2 EDUSAT, Moon, INSAT, GSAT.

Q.3 State True or False**2**

- 1 Some planets have more than one satellite.
- 2 High Earth Orbit Satellites pass over the polar region.

Q.4 Name the following**1**

- 1 Name two satellite launchers built by ISRO.

Q.5 Give scientific reasons(Any One)**2**

- 1 Space debris is a major problem.
- 2 Geostationary satellites not useful for studies of Polar regions.

Q.6 Write Short Notes(Any One)**2**

- 1 Write short note on moon mission.
- 2 Write short note on mars mission.

Q.7 Answer the following(Any One)**3**

- 1 How much time will the satellite take to complete one revolution around the earth? If satellite at a height of 35780 from earth's surface.
- 2 What is meant by space debris ? Why there is used to manage the debris ?

Q.8 Answer the following in detail (Any One)**5**

- 1 What is meant by an artificial satellite? How are the satellites classified based on their functions?
- 2 Why it is beneficial to use satellite launch vehicles made of more than one stage?