

PRISM WORLD

Std.: 10 (English) Marks: 20 Science - I Time: 1 hrs Date: Chapter: 10 Q.1 A) Choose the correct alternative and rewrite the sentence (1) 1) The height of medium earth orbit above the surface of the earth is c. 45,000 km d. 25,000 km a. 1,500 km b. 250 km B) Answer the following questions. (2) Find co-related terms $\sqrt{\frac{\text{GM}}{\text{R}+\text{h}}}$: critical velocity of a satellite at height h from surface of planet::....:: escape velocity on the surface of planet ii) State true or false. India is the first country to discover the existence of water on the moon. Q.2 A) Give scientific reason. (Any one) (2) 1) Space debris is a major problem. 2) One can jump 6 times higher on Moon than on the Earth. B) Answe the following questions. (Any two) your Dreams (4) Distinguish between High Earth Orbit Satellite and Low Earth Orbit Satellite ii) Write Short Notes on Moon Mission. 3) Artificial satellite. **Q.3** Answer the following questions. (Any two) (6) Observe the figure and write the answers. 1) a. Name the outer orbit. b. Which satellites revolve in low Earth orbits?

c. Give an example of a launch vehicle based on Newton's third law.

such debris. Explain why?

2) What do the space debris include? How are they generated? Its very essential to manage

3) Complete the paragraph.

(15, India, Luna 3, manned, Luna 2, Chandrayaan-1, Chandrayaan-2, unamanned, Neil Armstrong, Yuri Gagarin)

Q.4 Answer the following questions. (Any one)

(5)

1) Write contribution of following personality in space mission:



2) Write Short notes on High Earth Orbits Satellite.