

PART A: MULTIPLE CHOICE (10 MARKS)

Choose the best response in each case and place your answer in the appropriate space on your answer sheet.

- The force caused by expanding gases leaving a rocket engine is called:
(a) friction (b) gravity (c) thrust
- Which of the following is not considered "payload"?
(a) a weather satellite launched into space
(b) an astronaut who returns to Earth
(c) cargo launched into space
- Which of the following is not a common use of a satellite?
(a) travel
(b) weather forecasting
(c) military
- Satellites in a geosynchronous orbit are usually located:
(a) above the South Pole.
(b) above the equator.
(c) above the North Pole.
- There are many advantages and disadvantages to orbiting satellites. Which of the following is not a legitimate disadvantage??
(a) cost
(b) danger of alien bacteria
(c) satellite/space station pieces falling to earth
- One of the main duty of astronauts on board the International Space Station will be to:
(a) retrieve & repair satellites.
(b) perform experiments on extraterrestrials.
(c) clean up garbage from past space walks.
- The force of gravity decreases if:
(a) mass decreases and/or distance increases.
(b) mass increases and/or distance decreases.
(c) mass decreases and/or distance decreases.
- The best explanation of why orbiting astronauts appear to be floating is that they are experiencing:
(a) microgravity
(b) weightlessness
(c) continuous free fall
- When the speed of a low earth orbit satellite increases it:
(a) falls to earth.
(b) stays where it is.
(c) flies off into space.
- Side effects of space flight do not include:
(a) space sickness.
(b) retention of body fluids.
(c) decreased cosmic radiation exposure.

PART B: MATCH (5 MARKS)

Match the definition from the 1st column to the best term in the 2nd column and place the matching letter in the appropriate space on your answer sheet.

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| <ol style="list-style-type: none"> Device that carries a payload into space. Everything outside of Earth's atmosphere. Orbit around Earth that takes 24 h allowing it to remain in the same location. Satellite, piloted spacecraft, or cargo launched into space. Vehicle designed to travel in the near vacuum of space. | <ol style="list-style-type: none"> aircraft microgravity geosynchronous GPS launcher payload outer space remote sensing spacecraft spinoff |
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PART B: MATCH (5 MARKS)

1	2	3	4	5
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