

Reasoning Worksheet

Practice. Learn. Succeed

Sub : Science

Grade: IX

Date:

Name:

ID No.....

Tick the Choice Question

1. Read the following statements:

- P : It you weigh 1200N on Earth, you would weigh approximately 200N on moon
- Q : If a body has a mass of 10 kg on the surface of Earth, its mass will be 10 kg on moon also
- R : The acceleration due to gravity is a universal constant
- S : The Earth retains its atmosphere due to gravity

Select the correct alternative:

- (a) Only R is incorrect
- (b) Both R and S are incorrect
- (c) Both P and Q are correct
- (d) Only P is correct

2. The velocity-time graph of an object is shown in the figure. The

- (i) The slanted portion of the v-t graph represents constant acceleration and hence constant force.
- (ii) The horizontal portion represents constant velocity, zero acceleration and hence zero force.
- (iii) Area under v-t graph gives momentum.
- (iv) Area under v-t graph gives acceleration.

Select the correct alternative:

- (a) only (i) is correct
- (b) (i) and (ii) both are correct
- (c) (i) , (ii) and (iii) are correct
- (d) only (iv) is incorrect.
