

# Reasoning Worksheet

Practice. Learn. Succeed

Sub : Science

Grade: IX

Date: .....

Name: .....

ID No.....

## Tick the Choice Question

1. Suppose a car is moving on a horizontal road towards the east. Assume any force due to air as negligible. The frictional forces on the car by the road

- (i) is towards east if the car is accelerating
- (ii) is zero if the car is moving with uniform velocity
- (iii) must be towards east
- (iv) must be towards west

Select the correct alternative:

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

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2. Which of the following forces are non-contact forces in nature?

- (i) Reaction on a body
- (ii) Elastic force in a spring
- (iii) Gravitational force
- (iv) Magnetic force

Select the correct alternative:

- (a) only (i) is correct
- (b) (ii) and (iv) both are correct
- (c) all four are correct
- (d) only (iii) is correct

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