

INTERNATIONAL INDIAN SCHOOL, RIYADH

STD. VIII

SCIENCE

CHAPTER 11 : FORCE AND PRESSURE

I. Answer the following :

1. A push or pull on an object is called a _____.
2. The state of motion of an object is described by its _____ and the direction of motion.
3. The force resulting due to the action of muscles is known as _____ force.
4. Muscular force is also called as _____ force.
5. The force exerted by a magnet and electrostatic force are examples of _____ force.
6. Every object in the universe exerts a force on every other object called a _____ force.
7. The force acting on a unit area of a surface is called _____.
8. Pressure in liquids _____ with the increase in depth of the liquid column.

II. Choose the correct answer:

1. Which of the following will exert the maximum pressure on ground while moving
 - a) an elephant
 - b) A girl wearing a pencil heel
 - c) Rhinoceros
 - d) Camel

2. Force can change
 - a) Only position of object
 - b) Only speed of object
 - c) Only direction of moving object
 - d) All the above
3. Which of the following is not a non-contact force
 - a) gravitational force
 - b) electrostatic force
 - c) muscular force
 - d) All of them
4. A force has
 - a) magnitude
 - b) direction
 - c) both of them
 - d) None of them
5. Which type of force is acting when hair is being pulled by a charged comb
 - a) Contact force
 - b) Non-contact force
 - c) both of them
 - d) None of them

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CHAPTER 16 : LIGHT

- I. Answer the following question :
 1. Name the angle between the normal and the incident ray.
 2. Name the angle between the normal and the reflected ray.
 3. In an image formed by a mirror the left of the object appears on the right and vice-versa. This is known as _____

4. Splitting of light into its colours is known as _____
5. Our eyes sees everything around us due to _____ light.
6. Name the small opening present in Iris.
7. Visually challenged persons can read and write using _____ system.

II. Choose the correct Answer :

1. When we say that a person has black, blue or green eyes, we refer actually to the colour of
 - a. Lens
 - b. Cornea
 - c. Iris
 - d. Pupil
2. The lens focuses light on the back of the eye, on a layer called
 - a. cornea
 - b. retina
 - c. lens
 - d. pupil
3. Among the following which cells are sensitive to bright light
 - a. rods
 - b. cones
 - c. Both
 - d. None
4. Among the following which cells are sensitive to dim light.
 - a. rods
 - b. cones
 - c. Both
 - d. None of them
5. An owl can see very well in night but not during the day because
 - a. It has more no. of cones and only a few rods
 - b. It has more no. of rods and only a few cones
 - c. Same no. of cones and rods

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