

Periodic Test (19 July 2017)

Class-VIII

Sub: G.Science (Set - B)

Time: 1½ hrs.

Marks: 50

Physics (17)

- Q1. Name one non-contact force. (1)
- Q2. What is the cause of frictional force? (1)
- Q3. How does friction damage the machines? (2)
- Q4. Why are school bags provided with wide straps? (2)
- Q5. What is atmospheric pressure? Give one application of atmospheric pressure from everyday life. (1+2)
- Q6. What is the relationship among:
- a) magnitude of friction and weight of a body.
 - b) friction and nature of surface in contact
 - c) friction and area of surfaces in contact with other. (3)
- Q7a) Write an activity to show that liquids exert equal pressure at equal depth.
- b) A solid body weighs 250N. When placed on a wooden plank, the area of contact is found to be 10m². Find the pressure exerted by the solid body on the wooden plank. (3+2)

Chemistry (16)

- Q1. Define polymerisation? (1)
- Q2. Which fibre is prepared from wood pulp and why it is called so? (2)
- Q3. Expand the term 4R Principle. (2)
- Q4. Differentiate between Thermoplastic and Thermosetting Plastics in following parameter:
- (i) Nature (ii) Recycle (iii) Toughness (3)

Periodic Test (19 July 2017)

Class-VIII

Sub: G.Science (Set - A)

Time: 1½ hrs.

Marks: 50

Physics (17)

- Q1. SI unit of force is _____. (1)
- Q2. Name the maximum opposing force when one body is at the verge of moving over the surface of another body. (1)
- Q3. Name two factors affecting friction. (2)
- Q4. Why is it easy to cut with a sharp knife than with a blunt one? (2)
- Q5. List different ways of reducing friction. (3)
- Q6. Write the effect of force in the following: (3)
- a) Batsman hitting the ball with bat.
 - b) Squeezing a tube of paint.
 - c) A girl pushing the chair.
- Q7a) Write an activity to show that liquid pressure increases with increase in depth. (3)
- b) A solid body weighs 200N. When placed on a wooden plank, the area of contact is found to be 5m². Find the pressure exerted by the solid body on the wooden plank. (2)

Chemistry (16)

- Q1. Name any two polyester fibres? (1)
- Q2. Which fibre is used for making bristles of toothbrush? and why? (2)
- Q3. Expand the term PET. Give its one use. (2)
- Q4. Write any 3 advantages of synthetic fibres and natural fibres? (3)