

NEW ERA PUBLIC SCHOOLClass :- 8thSub :- ScienceM. Marks :- 60Term :- I

Attempt any four questions from Part-A and five questions from Part-B. Part C and D are compulsory.

PART-A (Do any four)Long Answer Type Questions:-

Q1:- Define Force. What are the effects of Force.

Q2:- What are sex hormones? Why are they named so? State their function.

Q3:- Why phosphorus is stored in water?

Q4:- Write note on secondary sexual characters.

Q5:- Name the forces acting on a plastic bucket containing water held above the ground level in your hand. Discuss why the forces acting on the bucket do not bring a change in its state of motion.

Q6:- What happens when dilute sulphuric acid is poured on a copper plate.

(4×6=24)

PART-B (Do any five)Short Answer Type Questions:-

Q1:- Give two examples of situations in which applied force causes a change in the shape of an object?

Q2:- A rocket has been fired upwards to launch a satellite in its orbit. Name the two forces acting on the rocket immediately after leaving the launching pad.

Q3:- Define adolescence?

Q4:- List changes in the body that take place at puberty?

Q5:- Can you store lemon pickle in an aluminium utensil? Explain.

Q6:- What is the term used for secretions of endocrine glands responsible for changes taking place in the body? (5×3=15)

PART-C

Give reasons for the following:-

- (a) Aluminium foils are used to wrap food items.
- (b) Immersion rods for heating liquids are made up of metallic substances.
- (c) Sodium and potassium are stored in kerosene. (3×2=06)

PART-D

Multiple choice Questions:-

- (a) Adolescents should be careful about what they eat, because
 - (i) proper diet develops their brains.
 - (ii) proper diet is needed for the rapid growth taking place in their body.

(iii) adolescents feel hungry all the time.

(iv) taste buds are well developed in teenagers.

(b) Reproductive age in women starts when their

(i) menstruation starts.

(ii) breasts start developing.

(iii) body weight increases.

(iv) height increases.

(c) The right meal for adolescents consists of

(i) chips, noodles, coke

(ii) chapati, dal, vegetables.

(iii) rice, noodles and burger

(iv) vegetable cutlets, chips and lemon drink.

(d) Which of the following can be beaten into thin sheets?

(i) Zinc

(ii) Phosphorus

(iii) Sulphur

(iv) Oxygen

(e) Which of the following statement is correct?

(i) All metals are ductile

(ii) All non-metals are ductile

(iii) Generally, metals are ductile.

(iv) Some non-metals are ductile.

(5×1=5)

Fill in the blanks:-

1. A charged body ——— an uncharged body towards it.

2. To draw water from a well we have to

_____ at the rope.

3. The north pole of a magnet _____ the north pole of another magnet.

4. Metals are good conductors of heat and _____.

5. Phosphorus is very _____ non-metal.

6. Metals react with acids to produce _____ gas.

(6 x 1 = 6)

Mark 'T' if the statement is true and 'F' if it is false.

1. Generally, non metals react with acids. ()

2. Sodium is a very reactive metal. ()

3. Copper displaces zinc from zinc sulphate solution. ()

4. Coal can be drawn into wires. ()

(4 x 1 = 4)