

**APEEJAY SCHOOL SHEIKH SARAI-I**  
**FIRST TERMINAL EXAMINATION, 2016-17** **SS-24**  
**CLASS-VIII**  
**SCIENCE**

*Time allowed : 2 Hrs. 45 mins.*

*M.M. : 80*

**General Instructions :**

(i) *The question paper is divided into three Sections :*

*Section A — Physics*

*Section B — Chemistry*

*Section C — Biology*

(ii) *Use separate sheets for each section.*

(iii) *Draw neat and well labelled diagrams where ever necessary.*

**(SECTION—A) (PHYSICS)**

- ✓ 1. Define Pressure. (1)
- ✓ 2. Name the factors affecting friction. (1)
- ✓ 3. Describe an activity to show that liquids exert pressure on the walls of a container. (2)
- ✓ 4. (a) How does rolling reduce friction? (2)  
(b) Give any two methods used to increase friction.
- ✓ 5. Differentiate between : (2)  
(a) Static and Sliding friction  
(b) Pressure and force
- ✓ 6. (a) Define Time Period of a vibrating body. (2)  
(b) The vibration of wings of an insect produces a sound at 125 vibrations in 5 sec.  
Calculate the time period.
- ✓ 7. (a) What is meant by chemical effect of electric current? (2)  
(b) Write any two applications of chemical effect of electric current.
- ✓ 8. Distinguish between noise and music. How can we reduce noise pollution. (3)
- ✓ 9. (a) What is force of gravity? (3)  
(b) Explain why muscular force is a contact force and magnetic force is a non-contact force.

P.T.O.

10. Give reasons :

(1 × 4 = 4)

- (a) A sharp knife cuts more effectively than a blunt knife.
- (b) Kabaddi players rub their hands with soil.
- (c) Lighting is seen much before the sound of thunder is heard.
- (d) Firemen switch off electricity of an area before dousing a fire with water.

11. (a) Name any two metals used for coating cheaper metals while making jewellery.

(b) Describe, through an activity, purification of copper by electrolysis. Support it with a diagram. (5)

(SECTION—B) (CHEMISTRY)

1. Name the fibre obtained by the chemical treatment of wood pulp (or cellulose). (1)

2. Name one metal and non-metal which occurs in liquid state at room-temperature. (1)

3. Give reasons : (2)

- (i) Sodium and Potassium are stored in kerosene.
- (ii) Aluminum foils are used to wrap food items.

4. How can we reduce the use of plastics in our day to day life ? (write any 2 points) (2)

5. What happens when a copper vessel is exposed to moist air for a long time ? Write word equation also. (2)

6. What are the various types of plastics ? Give two examples of each types of plastic. (2)

7. Why should we not wear clothes made of synthetic fibres while working in the kitchen ? (2)

8. (a) What is a polymer ?

(b) Explain various types of unit arrangement found in plastics.

(c) Draw labelled diagrams to illustrate your answer. (3)

9. (i) What happens when metals react with acids ? Write a word equation to support your answer. (1)

(ii) Why do metallic pans have plastic/wooden handle ? (2)

10. Saloni took a piece of burning charcoal and collected the gas evolved in a test tube. (1 + 2 = 3)

(i) How will she find the nature of the gas ?

(ii) Write down word equations of all the reactions taking place in this process ?

11. (i) An element burns in air to form an oxide. The aqueous solution of this oxide turns red litmus blue. State whether the element is a metal or non-metal. Name one such element. (1)

(ii) What is displacement reaction ? Explain with suitable example. (2)

(iii) State one use of each of the following : (2)

- (a) Oxygen
- (c) Iodine

- (b) Nitrogen
- (d) Mercury

(SECTION—C) (BIOLOGY)

1. What do you understand by the term migration ? (1)
2. Explain the method by which a farmer selects healthy seeds from damaged ones ? (2)
3. Why is water essential for plants ? (Give two ways) (2)
4. Define the following terms : (3)
  - (a) Endangered animals
  - (b) Biosphere
  - (c) Ecosystem
5. What are the consequences of deforestation ? Write any three points ? (3)
6. (a) What are antibiotics ? (3)
  - (b) Write any two precautions taken while taking antibiotics ? (3)
7. Give one word answer : (3)
  - (a) Disease causing microbes are also called .....
  - (b) Causative micro organism of Typhoid .....
  - (c) Micro organism that causes Rust of wheat .....
  - (d) Preservative used in Pickle .....
  - (e) He discovered first vaccine .....
  - (f) The process discovered by Louis Pasteur .....
8. (i) What are weeds ? (1+2+2=5)
  - (ii) Why is it necessary to remove them from fields ?
  - (iii) How can they be removed ? (Write any two ways)
9. (i) What do you understand by the term 'communicable diseases'. (1+1+1+2=5)
  - (ii) Name any two communicable diseases.
  - (iii) Name the carriers of Malaria and Dengue.
  - (iv) How can we control the spread of Malaria and Dengue ? (Write any two points)