

KENDRIYA VIDYALAYA SANGATHAN LUCKNOW REGION

SESSION ENDING RE-EXAM 2023-24 CLASS- VI

DURATION : 2 ½ HRS SUBJECT – Science

M.M 60

GENERAL INSTRUCTIONS: 1. All questions are compulsory however internal choices are given.

2. Question. No. 1 to 10 multiple choice questions carrying 1 mark each.

3. Question. No. 11 to 15 are short answer type carrying 2 marks each.

4. Question. No. 16 to 20 are also short answer type carrying 3 marks each.

5. Question. No. 21 and 22 are long answer type carrying 5 marks each.

6. Question. No. 23 to 25 are CASE BASED / CCT Type carrying 5 marks each.

7. Support your answer with diagram wherever required.

SECTION A

1 Oxygen is used for a). Burning b). Put off fire c). Respiration d). Both burning and respiration

2 A Freely suspended magnet will come to rest in a). North -South direction b). North -East direction
c). East - west direction d). South -West direction 1

3 Loss of water by plants is called - (a) transpiration (b) condensation (c) transportation (d) evaporation 1

4 An example of an abiotic component - a). Animals b). Plants c). Bacteria d). Air 1

5 When a magnet is broken into pieces, the pieces –

(a) Have both north and south poles. (b) Have only north poles.

(c) Have no poles. (d) have only south poles 1

6 An example of an object which is not a source of light - a). Torch light b). Firefly c). Sun d). Moon 1

7 A Pendulum of the clock shows - a). Rectilinear motion b). Periodic motion

c). Circular motion d). Rotational motion 1

8 When a magnet is placed on a plastic plate with common pins spread on it, then –

(a) pins will stick all around the magnet. (b) pins will stick at the middle of the magnet

(c) pins will stick at the ends of the magnet. (d) none of these

9 Animals and plants have certain features which make them to survive in a particular habitat is called a. Specialization b. evolution c. ecosystem d. adaptation 1

10 The main constituent of air is a. Nitrogen b. Oxygen c. carbon dioxide d. Hydrogen 1

SECTION B

11 While measuring the length of a book, the reading of the scale at one end is 3.0 cm and at the other end is 22.4cm. What is the length of the book? 2

12 Draw a simple closed circuit with the help of a bulb, two cells, connecting wires and a switch. Also mark the direction of current. 2

13 Name the surroundings in which an animal and plant lives. And also mention its types. OR Write any two adaptive features of a desert plant. 2

14 How can the properties of a magnet be lost? 2

15 State any two functions of stem in a plant. OR write the names of the parts whose functions are given below- (i) fixes plant to the soil (ii) prepares food by photosynthesis 2

SECTION C

16 a). Write any two Properties of magnets. b). Complete the following i). N - N _____ ii) N- _____ Attraction iii) S -N _____ iv) _____ - S Repulsion 3

17 Give reasons. a) Mountaineers carry oxygen cylinders with them. b) We should always breathe through our nose and not through our mouth. OR List any three activities that are possible due to the presence of air. 3

18 What are the differences between a shadow and an image formed by plane mirror? 3

19 Draw the structure of a flower and label its parts. 3

20 The handles of the tools like screwdrivers and pliers used by electricians for repair work usually have plastic or rubber covers on them. Give reason. OR Kritika connected two bulbs to a cell as shown in the given figure.

She found that filament of bulb B is broken. Will the bulb A glow in this circuit? Give reason.

SECTION D

21 Match the following items given in Column A with that in

Column B: COLUMN

A COLUMN B

1. Battery Either breaks or completes a circuit 2. Switch Glows when electricity passes in it 3. Conductor A combination of cells 4. Filament Does not allow electricity to pass through it. 5. Insulator Allows electricity to pass through it. 5

22 Look over the features of plants given below. Choose the plant type (Aquatic plant, Desert plant, Mountainous plant) for every feature given in a, b, c, d, and e. (a) Small or spine-like leaves (b) Thick waxy stem (c) Sloping branches (d) Cone-shaped plants (e) Hollow stem 5

SECTION E

23 All living things require air. Air is a mixture of many gases like nitrogen, oxygen, carbon dioxide and water vapour. It also contains dust particles, smoke etc. The major part of air is nitrogen. It does not support in burning of substances. a) Which gas is the most abundant component of air? b) Plant cells synthesize their own food in the presence of sunlight. Which gas is used by the plants to synthesize their own food? C)The layer of air around the earth is known as----- . d) Draw a diagram (pie chart) to show the composition of air._____. 5

24 Observe the figure and answer- 5

What is the aim of the activity shown above? b) What will happen if the cardboard in the center is pushed outwards slightly? c) What are the 3 conditions required to form a shadow?

25 Four pieces of wooden sticks A, B, C and D are placed along the length of 15 cm long scale as shown in the given figure. a) Which one of them is 3.4 cm in length? b) Convert 3.4 cm in mm. c) Write the SI unit of measuring length. d) How will you measure the length of any curved line? e) Which of the following distance cannot be measured with above scale by using it only once? (i) 0.1 m (ii) 0.15 m (iii) 0.2 m (iv) 0.05 m