ANGEL'S PUBLIC SCHOOL

Strive for Perfection

SAMPLE PAPER

FINAL EXAMS   SESSION 2025 – 26
CLASS – VII

TIME : 3 HRS.   **SUBJECT – SCIENCE**   **M.M:80**

General Instructions:

(a) **All questions are compulsory.**

(b) **Section – A contains ten multiple choice questions of 1 mark each.**

(c) **Section – B contains ten one word answer questions of 1 mark each.**

(d) **Section – C contains ten short answer questions of 3 marks each.**

(e) **Section – D contains five long answer questions of 5 marks each. Attempt any four**

(f) **Section – E contains two diagrams of 5 marks each.**

Choose the correct option:

1. Which one of the following processes removes unwanted foreign particles from the

inhaled air?

(i) coughing   (ii) yawning   (iii) sneezing   (iv) hiccups

2. A test tube containing bacteria and yeast is kept in a warm place overnight. The gas

collected from this mixture.

(i) extinguishers the flame   (ii) burst into flame when ignited

(iii) turns lime water milky   (iv) both (i) and (iii)

3. Which one of the following is not a method of a sexual reproduction in plants?

(i) Gamete formation   (ii) Spore formation   (iii) Budding   (iv) Fragmentation

4. Which one of the following plants is grown by vegetative propagation of leaves?

(i) Tomato   (ii) Sugar cane   (iii) Begonia   (iv) Mango

5. The clocks used for the accurate measurement of time are based on_____.

(i) Oscillation of a pendulum   (ii) Oscillations of a balance wheel

(iii) Vibrations of atoms   (iv) Vibrations due to electric current

6. A simple pendulum takes 40 seconds to complete 20 oscillations. The time period of the pendulum is:

(i) 2 seconds.   (ii) 1 second   (iii) 4 seconds.   (iv) 6 seconds

7. Assertion : The cells used in remote are connected in series.

Reason : The positive terminal of one cell is connected to the negative terminal of the other cell by a metal strip.

(i) Both A and R are true and R is the correct explanation of the assertion

(ii) Both A and R are true But R is not the correct explanation of the assertion.

(iii) A is true but R is false

(iv) A is false but R is true

8. The wire of an electric fuse is an alloy of copper and _____.

(i) Tin   (ii) Nichrome   (iii) Tungsten   (iv) Manganese

9. Decrease In the effective Area For seepage of water results in.

(i) An increase in population   (ii) An increase in crop yield

(iii) Depletion of the water table.   (iv) Rise in the water table

10. Which one of these characteristics explains the importance of reflectors In the headlight of a vehicle?

(i) Spread light to a large area

(ii) Help form an enlarged image.

(iii) It can concentrate the light ray at a particular point

(iv) Images of objects that spread over a large area

B. Give the answer of the following questions in one word:-

1. Name the air tubes of insects.

2. How does roots of plants respire?

3. What happens to your breathing rate when you go to sleep?

4. Name the breathing organ in an earthworm.

5. What is the average breathing rate of an adult human at rest?

6. What are the end products of anaerobic respiration?

7. What product is formed when oxygen combines with hemoglobin and is carried to all the cells of the body?

8. Name the agents for dispersal of seeds and fruits.

9. Name two types of pollination.

10. Give an example of a virtual image.

C. Short answer questions

1. What is a' breathing rate? What happens to the ribs and diaphragm during exhalation?

2. Why do you think we yawn when we are sleepy?

3. List two special features of seeds and fruits that are dispersed by :

(i) Water.   (ii) Burst with a sudden jerk.

4. How does fertilization takes place in a flower?

5. Suddenly while running we feels the pain in our legs why does this happens?

6. Differentiate between self-pollination and cross-pollination.

7. State the principle used for measuring time in watches and clocks.

8. Why are the methods of vegetative propagation commonly used nowadays?

9. Define spectrum by drawing a diagram.

10. Differentiate between a plane mirror, a concave mirror and a convex mirror.

11. Define the length of the pendulum and the time period of the pendulum.

12. Sumit wants to obtain the real image of a distant tree. What are the two possible ways by which he can do this?

D. Long answer type questions

1. Describe the process of breathing in the following organisms:

(i) Earthworm   (ii) Frog   (iii) fish

2. What happens when all the seeds of a plant fall at the same place (below the plant)and grow there?

3. A car moves at a speed of 20 km per hour for 15 minutes and then at a speed of 60 km per hour for the next 15 minutes. Calculate the total distance covered by the car.

4. Differentiate between an electromagnet and a permanent magnet.

5. A person standing 6 m away from a plane mirror moves 3m towards the mirror. Calculate the distance between the person and the image.

E. Draw a well labelled Diagrams :

1.

2.