



# ANGEL'S PUBLIC SCHOOL

## SAMPLE PAPER

HALF YEARLY EXAM SESSION 2025 – 26

CLASS – VIII

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 twelve short answer question of three marks each (Do any ten)
- (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.

### SECTION – A

#### I. Choose the correct option:

1. Name the bacteria which is used to make curd  
(a) Rhizobium (b) Protozoa (c) lactobacillus (d) Anabena
2. Which of the following scientists discovered cells in cork slices?  
(a) Louis Pasteur (b) Antonie van Leeuwenhoek  
(c) Carl Linnaeus (d) Robert Hooke
3. Assertion (A): Chromosomes are responsible for the transfer of characteristics from parents to offspring.  
Reason (R): Chromosomes are present in the nucleus.  
(a) Both A and R are true and R is the correct explanation of A  
(b) A is true but R is false  
(c) A is false but R is true  
(d) both A and R are true but R is not the correct explanation of A
4. Which of the following is an inexhaustible natural resource?  
(a) Petroleum (b) Coal (c) Natural gas (d) Solar energy
5. The substances which have very low ignition temperature will:  
(a) Catch fire easily (b) Will not catch fire  
(c) Catch fire after some time (d) None of these
6. Ignition temperature is the \_\_\_\_\_ temperature at which the substance catches fire.  
(a) Highest (b) Lowest (c) Maximum (d) Room
7. Which of the following units expresses fuel efficiency in terms of calorific value?  
(a) kg/kJ (b) kJ/kg (c) J/kg (d) J/g
8. Which of the following is the characteristic of exhaustible natural resources?  
(a) They are unlimited (b) They are limited  
(c) They are not dependent on nature (d) All of the above

9. How does the zygote develops into an embryo inside the mother's womb

- (a) The cell in zygote fuse with gamete to form the embryo
- (b) The cell in zygote multiply in number to form the embryo
- (c) The cell in zygote fuse with each other to form the embryo
- (d) The cell in zygote reorganise themselves to form the embryo

10. Which one of the following organ is not a part of female reproductive system?

- (a) tests
- (b) urethra
- (c) ureter
- (d) scrotum

**SECTION – B**

**II. Answer the following questions in one word:-**

1. Name a fuel that is used as a domestic fuel.
2. Which gas is evolved by incomplete combustion of fuel.
3. What does the chloroplast contain.
4. What does IVF stand for?
5. Name a liquid fluid that is highly inflammable.
6. Name a non -polluting fuel used in vehicles.
7. Who discovered the antibiotics?
8. Name the most common fire extinguisher.
9. Write the name of a bacterium that helps in the formation of curd.
10. What is the colour of an LPG flame?

**SECTION – C**

**III. Short answer questions. (Attempt any ten)**

1. Why is plasma membrane called selectively permeable membrane.
2. What are viviparous animals? Name any two viviparous animals.
3. What are antibodies?
4. Water can be boiled in a paper cup without burning it. Explain.
5. In an experiment 5.5 kg of fuel was burnt completely. The heat produced was measured to be
6. 180000 kj . Calculate the calorific value of fuel.
7. List two differences between sexual and asexual reproduction.
8. Why are chromosomes called hereditary vehicles
9. Define unicellular and multicellular organisms. Give one example of each.
10. List four characteristics of an ideal fuel.
11. Define communicable diseases. Give some examples.
12. Give reason for the following
  - (a) Wood is not used to make wires
  - (b) Oxygen is not brittle

**SECTION – D (ATTEMPT ANY FOUR)**

**IV. Long answer questions.**

1. Differentiate between plant cell and animal cell. Give five differences.
2. How do coral and sponges reproduce? Explain in detail.
3. How does burning of crackers pollute our environment
4. How does deforestation lead to frequent floods and droughts?
5. Define spontaneous combustion and rapid combustion.

**SECTION – E**

**V. Draw a well labeled diagram of\_\_\_\_\_.**