



# ANGEL'S PUBLIC SCHOOL

## SAMPLE PAPER

HALF YEARLY EXAM SESSION 2024 – 25  
CLASS – IV

TIME: 3 HRS

SUBJECT : SCIENCE

M.M:80

All the questions are compulsory.

### 1. Multiple choice questions.

(10x1=10)

- (a) A butterfly has \_\_\_\_\_ stages in its life cycle.  
(i) 3 (ii) 4 (iii) 2 (iv) 5
- (b) A baby frog with a long tail is called\_\_\_\_\_.  
(i) caterpillar (ii) tadpole (iii) spawn (iv) larva
- (c) Teeth that are bigger, stronger and have ridges, which make them useful for crushing and grinding food.  
(i) Premolars (ii) Molars (iii) Canines (iv) Incisors
- (d) Sticky, colorless film of bacteria.  
(i) Cavity (ii) Dental plaque (iii) Microbes (iv) None of these
- (e) Food pipe is also known as\_\_\_\_\_.  
(i) Incisors (ii) pancreas (iii) oesophagus (iv) canines
- (f) Only mammals that are capable of continued flight.  
(i) Squirrels (ii) Monkeys (iii) Bats (iv) Ants
- (g) Arctic tern shows\_\_\_\_\_.  
(i) migration (ii) hibernation (iii) camouflage (iv) echolocation
- (h) \_\_\_\_\_ works with juices from liver and pancreas.  
(i) Large intestine (ii) Teeth (iii) Germs (iv) Small intestine
- (I) The surrounding can change the colour of its fur to match the colour.  
(i) Camel (ii) Arctic fox (iii) Penguin (iv) Turtle
- (J) Sea turtles spend almost all of their time in \_\_\_\_\_.  
(i) air (ii) trees (iii) water (iv) forests

### 2. Fill in the blanks.

(6x1=6)

- (a) Tightly-packed feathers overlap to provide waterproofing and warmth \_\_\_\_\_.
- (b) Many \_\_\_\_\_ animals have long limbs that allow them to swing efficiently from branch to branch.
- (c) \_\_\_\_\_ animals can fly. .
- (d) We can prevent tooth decay by avoiding these foods \_\_\_\_\_, \_\_\_\_\_.
- (e) Fish have \_\_\_\_\_ to breathe in water.
- (f) Mammals give birth to\_\_\_\_\_.

**3. State whether the following statements are true or false** (5x1=5)

- (a) Vitelline membrane is the clear casing that encloses the yolk. \_\_\_\_\_
- (b) A dragonfly has three stages in its lifecycle. \_\_\_\_\_
- (c) From the stomach food reaches the large intestine. \_\_\_\_\_
- (d) The small intestine works with juices from the liver and pancreas to continue to breakdown food. \_\_\_\_\_
- (e) When a child reaches the age of 5 or 6, the milk teeth start appearing. \_\_\_\_\_

**4. Give one word answer to each:-** (10x1=10)

- (a) Name a covering in which caterpillar changes to butterfly.
- (b) Another name for the food pipe.
- (c) Which animal coils around its eggs?
- (d) It softens the food in mouth.
- (e) Name a living creature which is visible under microscope only.
- (f) It has long legs and can wade into much deeper water.
- (g) Name a protozoan.
- (h) Nostrils can be closed that help in keeping away sand during strong sandstorms.
- (i) In which part of body is digestion completed?
- (j) It uses some of the wide scales on its belly to grip the ground while pushing forward with the others.

**5. Answer the following questions.** (3x8=24)

- (a) What is camouflage?
- (b) Why do birds migrate?
- (c) What is tooth enamel and dentin?
- (d) How does a puffer fish protect itself?
- (e) What is metamorphosis?
- (f) Define spawn.
- (g) Write three adaptive features of a fish.
- (h) How yeast is a helpful microbe?

**6. Long Question Answers.** (3x5= 15)

- (a) Why is it necessary to chew food properly before swallowing it?
- (b) What are the adaptive features of a camel?
- (c) How do the stomach and small intestine help in digestion?

**8. Draw a diagram** (5)

**9. Draw a diagram** (5)