



ANGEL'S PUBLIC SCHOOL

SAMPLE PAPER

CLASS – VII HALF YEARLY EXAM SESSION 2024 – 25

TIME : 3 HRS

SUBJECT : SCIENCE

M.M:80

General Instruction.

- (a) All the questions are compulsory.
- (b) Section – A contains 10 multiple choice questions, carrying 1 mark each.
- (c) Section – B contains 10 one word answer questions, carrying 1 mark each.
- (d) Section – C contains 10 short answer questions, carrying 3 marks each.
- (e) Section – D contains 4 long answer questions, carrying 5 marks each.
- (f) Section – E contain 2 diagram, carrying 5 marks each.

SECTION – A

1. Multiple choice questions.

- (a) The food prepared by the green leaves of a plant is in the form of glucose. The glucose is transported to different parts of the plant as X. Identify X.
 - (i) Sucrose
 - (ii) Fructose
 - (iii) Starch
 - (iv) Lactose
- (b) Bases are generally _____ to touch.
 - (i) hot
 - (ii) cold
 - (iii) soapy
 - (iv) rough
- (c) Which of the following animal has a silver white mane surrounding its head?
 - (i) Elephant
 - (ii) Red-eyed frog
 - (iii) Toucan
 - (iv) Lion-tailed macaque
- (d) The most likely location of this sanctuary is in the
 - (i) temperate region
 - (ii) tropical region
 - (iii) polar region
 - (iv) coastal region
- (e) Smoke contained in warm air always _____.
 - (i) sinks
 - (ii) moves sideways
 - (iii) rises up
 - (iv) all of these
- (f) **Assertion (A):** Air balloons rise up in the air.
Reason (R): Air filled in the hot air balloons is heavier and denser than the surrounding cold air.
 - (i) Both A and R are true
 - (ii) Both A and R are true but R is not the correct explanation
 - (iii) A is true but R is false
 - (iv) A is false but R is true
- (g) It is _____ to ride a bicycle in the direction of wind.
 - (i) easy
 - (ii) difficult
 - (iii) very difficult
 - (iv) very easy
- (h) Complete the following analogy by choosing the correct option. Turmeric: Indicator:: Milk of magnesia: _____.
 - (i) acid
 - (ii) antacid
 - (iii) antidote
 - (iv) hydrous salt
- (i) Manure is added when the soil is too _____.
 - (i) acidic
 - (ii) basic
 - (iii) neutral
 - (iv) none of these
- (j) The substance which turns blue litmus red is _____.
 - (i) basic
 - (ii) acidic
 - (iii) super acidic
 - (iv) neutral

SECTION – B

2. One word answer questions

- (a) Name one organic indicator.
- (b) Which acid is produced in our stomach.
- (c) Which bird has a long beak to catch fruits on trees.
- (d) Which acid is present in ant's sting?
- (e) Name an animal that has sticky pads on its feet.
- (f) Which soil is the best soil for growing lentils?
- (g) Name the process by which soil is formed from rocks.
- (h) Name two acids bases.
- (i) In which direction do the trade winds blow?
- (j) Which Indian state is vulnerable to cyclones?

SECTION – C

3. Short answer questions.

- (a) Define the following terms. (a) Relative humidity (b) Migration
- (b) During summer season, why do we feel very hot in the afternoon and comfortable in the early morning?
- (c) Why should factory waste be neutralised before discharging it into water bodies? Explain.
- (d) Define migration.
- (e) What do you mean by high pressure area and low pressure area?
- (f) What are the three conditions required for a thunderstorm to form?
- (g) Why is an antacid tablet taken when you suffer from acidity.
- (h) What happens if all the plants perish from the earth?
- (i) Why is mistletoe called a partial parasite?
- (j) Is the meaning of 'weak acid' same as that of 'dilute acid'. Explain.

SECTION – D

4. Long answer questions (Do any four)

- (a) What are summer monsoons? How they caused over India? How are they useful?
- (b) List five differences between acids and bases.
- (c) Describe two types of heterotrophic nutrition.
- (d) Differentiate between weather & climate.
- (e) Differentiate between tornado and a cyclone.

SECTION – E

5. Draw the well labeled diagram of the following.

- (a) The wind flow pattern because of uneven heating of earth
- (b) Soil profile