Andhra Pradesh — Summative Assessment 1 (SA1), 2026-27

Class VI — SA1 Model Question Paper

General Science (English Version) — Set 1

Time: 3 Hours **Max. Marks: 80**

Instructions:

1. The question paper has 4 sections and 33 questions. Answer all the questions.
2. Section A: 20 multiple choice questions of 1 mark each. Write the letter of the correct answer.
3. Section B: 4 questions of 2 marks each. Section C: 5 questions of 4 marks each.
4. Section D: 4 questions of 8 marks each. Each question in Section D has an internal choice.
5. Draw neat, labelled diagrams wherever necessary.

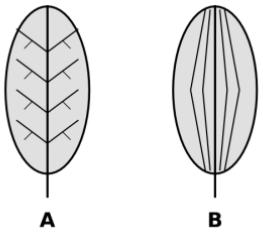
SECTION – A **20 × 1 = 20**

Choose the correct answer and write its letter.

1. Plants with weak stems that take the support of other objects to grow upwards are called

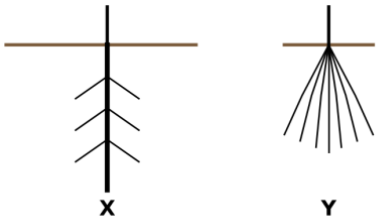
A) herbs B) shrubs C) climbers D) trees

2. In the figure, leaf A has



A) reticulate venation
B) parallel venation
C) no veins
D) only one vein

3. In the figure, the root marked X is a



A) taproot B) fibrous root C) climbing root D) floating root

4. Plants whose leaves have parallel venation usually have

A) taproots B) fibrous roots C) no roots D) climbing roots

5. The place where an organism lives naturally is its

A) food B) habitat C) shelter only D) nest

6. Which animal is well adapted to live in the desert?

A) fish B) polar bear C) camel D) frog

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7. The nutrients that mainly give us energy are

A) carbohydrates B) vitamins C) minerals D) water

8. The nutrients needed for growth and repair of the body (body-building food) are

A) fats B) proteins C) carbohydrates D) roughage

9. A food turns blue-black when a few drops of iodine solution are added. It contains

A) starch B) protein C) fat D) vitamin C

10. The deficiency of vitamin C causes

A) rickets B) night blindness C) scurvy D) goitre

11. Which of these is a millet?

A) rice B) ragi C) wheat D) maize

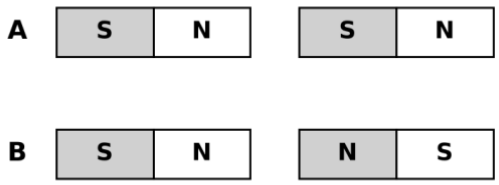
12. A magnet attracts

A) an iron nail B) a wooden pencil C) a rubber eraser D) a plastic scale

13. Like poles of two magnets

A) attract each other B) repel each other C) do nothing D) lose magnetism

14. In the figure, the magnets in pair B will



A) attract each other
B) repel each other
C) not affect each other
D) stick at their middles

15. A freely suspended bar magnet always comes to rest in the

A) east–west direction
B) up–down direction
C) north–south direction
D) any direction

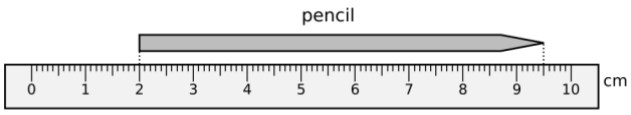
16. The SI unit of length is the

A) metre B) kilogram C) second D) litre

17. 1 kilometre =

A) 10 m B) 100 m C) 1000 m D) 10000 m

18. The length of the pencil shown on the scale is



A) 9.5 cm B) 7.5 cm C) 7.0 cm D) 2.0 cm

19. The motion of a swinging pendulum is

A) linear motion

B) circular motion

C) periodic (oscillatory) motion

D) no motion

20. The motion of a car on a straight road is

A) linear motion B) circular motion C) periodic motion D) rotational motion

SECTION – B **4 × 2 = 8**

21. Write two differences between a taproot and fibrous roots.

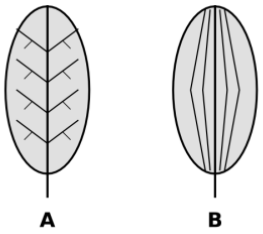
22. What is a balanced diet?

23. How will you find out whether an object is magnetic or non-magnetic?

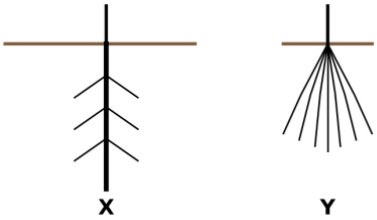
24. Why is it not correct to measure the length of a table using a handspan?

SECTION – C **5 × 4 = 20**

25. Look at the leaves A, B and the roots X, Y.



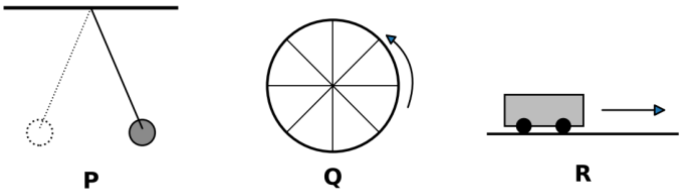
Name the type of venation in A and B and the type of root in X and Y. Which type of root will a plant with leaf A have? Give one example each.



26. Write the main function of carbohydrates, proteins, fats and vitamins & minerals, with one food source of each.

27. Write any four properties of magnets.

28. Look at the pictures P, Q and R. Name the type of motion in each.



29. Write any four precautions to be taken while measuring length with a scale.

SECTION – D **4 × 8 = 32**

Each question has an internal choice. Answer either (a) or (b).

30. a) What are herbs, shrubs, trees, climbers and creepers? Give two examples of each.

(OR)

b) How are animals adapted to their habitats? Explain with examples of a desert animal, an aquatic animal, a mountain animal and a grassland animal.

31. a) Describe how you will test a food item for (i) starch and (ii) fat. Write the observations.

(OR)

b) Write any four deficiency diseases, their cause and symptoms in a table. Write four habits of mindful eating.

32. a) Describe how you can make a magnet from an iron nail by the stroking method. How is a magnetic compass made and used?

(OR)

b) Describe an activity to show that like poles repel and unlike poles attract. Classify into magnetic and non-magnetic: iron nail, rubber, steel spoon, glass, plastic, nickel coin, wood, iron key.

33. a) Why do we need standard units of measurement? How will you measure the length of a curved line using a thread?

(OR)

b) Explain linear, circular and periodic motion with two examples of each.

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