

Full Practice Exam — Set 2

Science · Class 2 · Full Syllabus Practice Exam

TIME 60 minutes	QUESTIONS 35	TOTAL MARKS 40	MAX. SCORE ___ / 40
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Name: _____ Class/Sec: _____ Date: _____

INSTRUCTIONS

- There are **35 questions** in this paper. Answer all of them.
- Each question has four choices — (A), (B), (C) and (D). Only **one** is correct.
- Questions 1–30 carry **1 mark** each. Questions 31–35 (Achievers Section) carry **2 marks** each.
- There is no negative marking. Look at every picture and table carefully.

Section 1 — Logical Reasoning

Q1–Q10 · 1 mark each

- What comes next in the series? 2, 4, 6, 8, ____
 (A) 10 (B) 9
 (C) 11 (D) 12
- Kitten : Cat :: Calf : ____
 (A) Goat (B) Cow
 (C) Hen (D) Puppy
- What comes next in the letter series? A, C, E, G, ____
 (A) H (B) K
 (C) I (D) J
- Find the **odd one out**: Rose, Lily, Sunflower, Carrot
 (A) Rose (B) Lily
 (C) Carrot (D) Sunflower
- If today is Monday, what day will it be 4 days from now?
 (A) Thursday (B) Saturday
 (C) Sunday (D) Friday
- In a row of 15 children, a boy is 6th from the left end. What is his position from the right end?
 (A) 10th (B) 9th
 (C) 8th (D) 11th

7. A boy is facing south. He turns 90° clockwise. Which direction does he face now?

- (A) East (B) West
(C) North (D) South

8. How many triangles are there in the picture below?

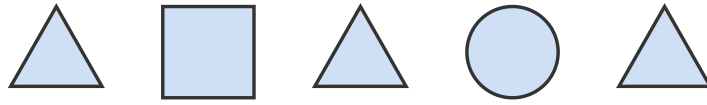


Fig. 8.1

- (A) 2 (B) 4
(C) 5 (D) 3

9. In a certain code, SUN is written as 19-21-14. How is SKY written in the same code?

- (A) 18-11-25 (B) 19-12-25
(C) 19-11-25 (D) 19-11-24

10. Rani, Sam and Tia are standing in a queue. Rani is not first. Tia is last. Who is first in the queue?

- (A) Rani (B) Sam
(C) Tia (D) Cannot say

Section 2 — Science

Q11–Q30 · 1 mark each

11. Look at the plant diagram below. Which labelled part takes in water and minerals from the soil?

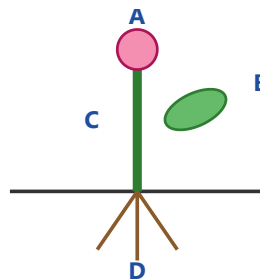


Fig. 11.1

- (A) A (B) B
(C) C (D) D

12. A tall plant with a hard, woody stem that lives for many years is called a _____.

- (A) Tree (B) Herb
(C) Shrub (D) Creeper

13. Which of these vegetables do we eat as a _____?

- (A) Cabbage (B) Carrot
(C) Brinjal (D) Tomato

- 14.** Fish are able to breathe under water with the help of their _____.
(A) Lungs (B) Skin
(C) Gills (D) Nose
- 15.** The natural place where a particular animal normally lives is called its _____.
(A) Diet (B) Family
(C) Colony (D) Habitat
- 16.** Animals that eat both plants and other animals for food are called _____.
(A) Omnivores (B) Herbivores
(C) Carnivores (D) Scavengers
- 17.** Which season usually comes right after winter in India?
(A) Autumn (B) Summer
(C) Rainy season (D) Spring
- 18.** Which instrument is used to measure how hot or cold something is?
(A) Barometer (B) Speedometer
(C) Thermometer (D) Calendar
- 19.** Animals that can live both on land and in water are called _____.
(A) Reptiles (B) Mammals
(C) Birds (D) Amphibians
- 20.** Which of these foods gives us the most protein to build strong muscles?
(A) Dal (B) Butter
(C) Sugar (D) Rice
- 21.** Foods like milk, eggs and fish that help build and repair our body are called _____ foods.
(A) Energy-giving (B) Body-building
(C) Protective (D) Junk
- 22.** The gas in air that we need to breathe in to stay alive is called _____.
(A) Nitrogen (B) Carbon dioxide
(C) Oxygen (D) Smoke
- 23.** Green plants take in _____ from the air to prepare their food.
(A) Oxygen (B) Nitrogen
(C) Smoke (D) Carbon dioxide
- 24.** Drinking dirty, unclean water can make us _____.
(A) Sick (B) Strong
(C) Taller (D) Happy

25. Boiling water before drinking it in some places helps to _____.
(A) Colour it (B) Kill the germs in it
(C) Freeze it (D) Make it heavier
26. If you get a small cut on your finger, what should you do first?
(A) Ignore it (B) Rub mud on it
(C) Wash it with clean water (D) Cover it with paint
27. Which of these is the safest rule to follow near fire or matches?
(A) Play with matches alone (B) Pour oil on a fire
(C) Light crackers indoors (D) Never touch matches without an adult
28. The picture shows the weather recorded for 7 days of a week. How many rainy days were there that week?



S = Sunny day, R = Rainy day

Fig. 28.1

- (A) 3 (B) 2
(C) 4 (D) 5
29. On a hot summer afternoon, we often feel thirsty very quickly. Why does this happen?
(A) Because the body loses water as sweat and needs to replace it (B) Because the tongue becomes bigger
(C) Because the air becomes thicker (D) Because the stomach shrinks
30. A fish taken out of a pond and kept on a table starts gasping and dies after some time. What does this tell us?
(A) Fish can live anywhere (B) Fish need water to breathe through their gills
(C) Fish only need sunlight (D) Fish need warm weather only

Achievers Section

Q31–Q35 · 2 marks each

31. Three of these animals spend their whole life in water, but one of them can live both in water and on land. Which one is the odd one out?
(A) Dolphin (B) Whale
(C) Frog (D) Shark
32. Which of these statements about plants is TRUE?
(A) Roots make food for the plant (B) Plants only breathe during the day
(C) All plants need soil to grow (D) Green plants make their own food using sunlight

- 33.** A gardener kept one tomato plant inside a dark cupboard and an identical one on a sunny windowsill, giving both the same water and soil. After ten days, the plant in the cupboard had turned pale yellow and grown very little, while the one on the windowsill stayed green and healthy. What does this experiment show?
- (A) Plants need sunlight to make chlorophyll and grow well (B) Tomato plants dislike windowsills
(C) The dark cupboard has more oxygen (D) Water causes the yellow colour
- 34.** On a hot day, tiny drops of sweat appear on our skin. What is the body trying to do by producing this sweat?
- (A) To wash away dirt from the skin (B) To cool the body down as the sweat evaporates
(C) To add water to the skin (D) To make the skin shine
- 35.** Two identical glasses have the same amount of water. Glass A is left uncovered in bright sunshine, while Glass B is covered with a lid and kept in a cool, shady spot. After two days, Glass A has much less water left than Glass B. What does this show?
- (A) Covered water always evaporates faster (B) Shade adds water to a glass
(C) Heat from the sun speeds up evaporation of water (D) Lids create new water

Answer Key

1	A	2	B	3	C	4	C	5	D
6	A	7	B	8	D	9	C	10	B
11	D	12	A	13	B	14	C	15	D
16	A	17	B	18	C	19	D	20	A
21	B	22	C	23	D	24	A	25	B
26	C	27	D	28	A	29	A	30	B
31	C	32	D	33	A	34	B	35	C

Solutions

1. Answer: (A) 10

Each number is 2 more than the one before it.

$$8 + 2 = \mathbf{10}.$$

2. Answer: (B) Cow

A kitten grows up into a cat. A calf grows up into a **cow**.

3. Answer: (C) I

Each letter skips one: A, (B), C, (D), E, (F), G, (H), **I**.

4. Answer: (C) Carrot

Rose, lily and sunflower are all flowers. A **carrot** is a root that we eat, so it is the odd one out.

5. Answer: (D) Friday

Counting forward from Monday: Tuesday, Wednesday, Thursday, **Friday** — 4 days later.

6. Answer: (A) 10th

Position from the right = total – position from the left + 1
 $= 15 - 6 + 1 = \mathbf{10th}.$

7. Answer: (B) West

Turning 90° clockwise from south takes him to **west**.

8. Answer: (D) 3

The picture has a triangle, a square, another triangle, a circle and one more triangle.
That makes **3** triangles in all.

9. Answer: (C) 19-11-25

Each letter is replaced by its position in the alphabet: S = 19, U = 21, N = 14.

So S = 19, K = 11 and Y = 25, giving **19-11-25**.

10. Answer: (B) Sam

Tia is last, so she is third. Rani is not first, so Rani must be second. The only person left for the first place is **Sam**.

11. Answer: (D) D

The part labelled **D** lies underground and branches out into the soil — this is the root, which takes in water and minerals. A points to the flower, B to a leaf and C to the stem.

12. Answer: (A) Tree

A **tree** is tall, has a hard woody stem and lives for many years, unlike herbs and shrubs which are smaller and softer.

13. Answer: (B) Carrot

A **carrot** grows underground and is the root of the plant that we eat. Cabbage is a bunch of leaves, and brinjal and tomato are fruits.

14. Answer: (C) Gills

Fish use **gills** to take in oxygen dissolved in water, which is why they cannot breathe on land.

15. Answer: (D) Habitat

The place where an animal naturally lives and finds its food and shelter is called its **habitat** — such as a pond for a fish or a forest for a tiger.

16. Answer: (A) Omnivores

Omnivores, such as bears and crows, eat both plant food and animal food.

17. Answer: (B) Summer

In India, the cold winter is followed by the hot **summer**, which is later followed by the rainy season.

18. Answer: (C) Thermometer

A **thermometer** measures temperature, telling us how hot or cold something is.

19. Answer: (D) Amphibians

Amphibians, such as frogs and toads, can live both in water and on land.

20. Answer: (A) Dal

Dal is rich in protein, which helps build and repair our muscles. Butter, sugar and rice mainly give energy or fat.

21. Answer: (B) Body-building

Milk, eggs and fish are rich in protein and are called **body-building** foods because they help build and repair our body.

22. Answer: (C) Oxygen

Air is a mixture of gases, and the one our body needs to breathe in and use is **oxygen**.

23. Answer: (D) Carbon dioxide

Plants take in **carbon dioxide** from the air and use it, along with sunlight and water, to make their own food.

24. Answer: (A) Sick

Dirty water may carry germs that can make us **sick**, so we should always drink clean, safe water.

25. Answer: (B) Kill the germs in it

Boiling water to a high temperature helps to **kill the germs in it**, making it safer to drink.

26. Answer: (C) Wash it with clean water

A small cut should first be **washed with clean water** to remove dirt and germs before it is bandaged.

27. Answer: (D) Never touch matches without an adult

Fire can hurt us badly, so we should **never touch matches without an adult** nearby to help and guide us.

28. Answer: (A) 3

Reading the circles marked R, rainy days appear on the third, fifth and sixth days shown, which is **3** rainy days in the week.

29. Answer: (A) Because the body loses water as sweat and needs to replace it

In hot weather the body sweats more to stay cool, and this uses up water from inside us. This is why **the body loses water as sweat and needs to replace it**, making us feel thirsty.

30. Answer: (B) Fish need water to breathe through their gills

Out of water, a fish cannot pass oxygen through its gills, so it struggles to breathe. This shows that **fish need water to breathe through their gills.**

31. Answer: (C) Frog

Whale, dolphin and shark spend their entire life in water. A **frog** is an amphibian — it lives in water when young and moves onto land as an adult, so it does not spend its whole life in water like the others.

32. Answer: (D) Green plants make their own food using sunlight

Green plants make their own food using sunlight, water and air, mainly in their leaves. Roots do not make food, some plants grow in water without soil, and plants take in and give out gases through both day and night.

33. Answer: (A) Plants need sunlight to make chlorophyll and grow well

Both plants had the same water and soil, so sunlight was the only real difference between them. The plant kept away from light could not make enough of the green substance leaves need, so it turned pale and grew poorly. This shows that **plants need sunlight to make chlorophyll and grow well.**

34. Answer: (B) To cool the body down as the sweat evaporates

As sweat dries up from the skin, it carries heat away from the body. This is the body's way **to cool the body down as the sweat evaporates**, which is why we sweat more on hot days.

35. Answer: (C) Heat from the sun speeds up evaporation of water

The main differences between the two glasses were heat and covering. The uncovered glass kept in the sun lost far more water to the air as vapour, showing that **heat from the sun speeds up evaporation of water.**