

Full Practice Exam — Set 3

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? 4, 8, 12, 16, ____
 (A) 18 (B) 20
 (C) 22 (D) 24
- Find the **odd one out**: Car, Bus, Bicycle, Elephant
 (A) Elephant (B) Car
 (C) Bus (D) Bicycle
- What comes next in the letter series? A, D, G, J, ____
 (A) K (B) L
 (C) M (D) N
- Duckling : Duck :: Kid : ____
 (A) Goat (B) Sheep
 (C) Hen (D) Cow
- In a certain code, BAT is written as 2-1-20. How is CAP written in the same code?
 (A) 2-1-16 (B) 3-1-15
 (C) 3-1-16 (D) 3-2-16
- In a row of 10 children, a girl is 4th from the left end. What is her position from the right end?
 (A) 6th (B) 8th
 (C) 5th (D) 7th

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

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

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



Fig. 8.1

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

9. If today is Wednesday, what day will it be 6 days from now?

- (A) Monday (B) Wednesday
(C) Tuesday (D) Thursday

10. Aman, Bala and Chitra are standing in a line of three. Aman is not last. Chitra is first. Who is last in the line?

- (A) Aman (B) Bala
(C) Chitra (D) Cannot say

Section 2 — Science

Q11–Q30 · 1 mark each

11. Which of these does a tiny seed need most to sprout and grow into a new plant?

- (A) Ice cubes only (B) A coat of paint
(C) A plastic cover only (D) A little water and warmth

12. Ginger, which we often use in cooking, is actually a swollen underground _____, not a root.

- (A) Stem (B) Fruit
(C) Flower (D) Seed

13. Deer, rabbits and goats eat only grass and plants. Such plant-eating animals are called _____.

- (A) Carnivores (B) Herbivores
(C) Predators (D) Scavengers

14. The home that a bird builds to lay its eggs in is usually called a _____.

- (A) Den (B) Hive
(C) Nest (D) Burrow

15. Which of these animals has a body covered with feathers?

- (A) Fish (B) Snake
(C) Frog (D) Hen

- 16.** Which bird cannot fly but is an excellent swimmer that spends much of its time in cold water?
- (A) Penguin (B) Sparrow
(C) Parrot (D) Eagle
- 17.** Fresh fruits and vegetables that help protect our body from illness are called _____ foods.
- (A) Fried (B) Protective
(C) Sugary (D) Energy-giving
- 18.** The milk that most families drink every day usually comes from animals such as the _____.
- (A) Hen (B) Fish
(C) Cow (D) Frog
- 19.** Why should we chew our food well before swallowing it?
- (A) It makes food taste sweeter (B) It helps us to breathe better
(C) It changes the colour of food (D) It helps our stomach to digest the food more easily
- 20.** Which of these is a natural source of fresh water?
- (A) River (B) Water tank
(C) Swimming pool (D) Water bottle
- 21.** When water is cooled a lot and freezes hard, it turns into ice. Ice is water in its _____ state.
- (A) Liquid (B) Solid
(C) Gas (D) Powder
- 22.** Air that is moving from one place to another is called _____.
- (A) Cloud (B) Fog
(C) Wind (D) Rain
- 23.** If a burning candle is covered tightly with a glass jar, the flame soon goes out because it uses up all the _____ trapped inside the jar.
- (A) Water (B) Heat
(C) Light (D) Oxygen
- 24.** Which part of our body helps us to see the things around us?
- (A) Eyes (B) Ears
(C) Nose (D) Tongue
- 25.** Which organ inside our chest helps us to breathe air in and out?
- (A) Liver (B) Lungs
(C) Kidney (D) Stomach

- 26.** If a child gets a small burn from touching a hot pan, what should be done first?
- (A) Rub butter on the burn (B) Wrap it tightly in a blanket
(C) Hold the burnt part under cool running water (D) Ignore it and carry on playing
- 27.** Before crossing a busy road, we should always ____.
- (A) run across quickly without looking (B) cross while talking on a phone
(C) close our eyes and cross (D) look carefully both ways for traffic
- 28.** Which type of clothes keep us warm and comfortable during a cold winter?
- (A) Woollen clothes (B) Swimsuits
(C) Thin cotton clothes (D) Wet clothes
- 29.** A rainbow with its many colours is usually seen in the sky ____.
- (A) only late at night (B) after rain, when the sun comes out
(C) only during snowfall (D) only in a completely cloudy sky
- 30.** Look at the picture below, where round shapes stand for fruits and pointed shapes stand for vegetables. How many fruits are shown?



Fig. 20.1

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

Achievers Section

Q31–Q35 · 2 marks each

- 31.** A gardener notices that the leaves and stem of a potted plant kept beside a window slowly bend and grow towards the window over several days. What does this behaviour of the plant show?
- (A) Plants dislike glass windows (B) Windows make plants grow taller
(C) Plants tend to grow towards light (D) Plants always grow away from soil
- 32.** A woollen sweater keeps us warm in cold weather because the wool traps a layer of air next to our skin, and trapped air does not let heat escape quickly. Using this idea, why do birds fluff up their feathers on a cold day?
- (A) To attract other birds (B) To look bigger to scare away enemies
(C) To fly faster through the air (D) To trap air near their skin and stay warm

- 33.** Which of these statements about our body is TRUE?
- (A) Our heart keeps beating all the time, even while we are asleep (B) We see the things around us with our nose
- (C) We smell things using our eyes (D) Our bones can bend easily like rubber
- 34.** Two identical pots are filled with the same soil, and the same number of bean seeds are planted with the same amount of water in each. Pot A is kept on a warm kitchen shelf, while Pot B is kept inside a refrigerator. After one week, the seeds in Pot A have sprouted into tiny plants, but the seeds in Pot B have not changed at all. What does this experiment show?
- (A) Seeds sprout faster in cold places (B) Seeds need enough warmth to sprout and grow
- (C) Soil alone is enough for seeds to sprout (D) Refrigerators help seeds to grow
- 35.** On a hot afternoon, Meena notices the sky slowly filling with thick grey clouds, and by evening it starts to rain heavily. Which of these correctly explains what usually happens before rain falls?
- (A) Strong winds create water droplets inside clouds (B) Rain falls first from the sky and then clouds form afterwards
- (C) Water vapour rises from oceans and rivers, cools high up in the sky, and forms clouds that later release rain (D) Dark clouds are formed only during the winter season

Answer Key

1	B	2	A	3	C	4	A	5	C
6	D	7	A	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	B	30	B
31	C	32	D	33	A	34	B	35	C

Solutions

1. Answer: (B) 20

Each number is 4 more than the one before it.

$$16 + 4 = \mathbf{20}.$$

2. Answer: (A) Elephant

Car, bus and bicycle are all vehicles used for travelling. An **elephant** is a living animal, not a vehicle, so it is the odd one out.

3. Answer: (C) M

Each letter skips two letters: A, (B, C), D, (E, F), G, (H, I), J, (K, L), **M**.

4. Answer: (A) Goat

A duckling grows up into a duck. A kid (a baby goat) grows up into a **goat**.

5. Answer: (C) 3-1-16

Each letter is replaced by its position in the alphabet: B = 2, A = 1, T = 20.

So C = 3, A = 1 and P = 16, giving **3-1-16**.

6. Answer: (D) 7th

Position from the right = total – position from the left + 1

$$= 10 - 4 + 1 = \mathbf{7th}.$$

7. Answer: (A) South

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

8. Answer: (D) 3

There are three circles in the picture, with two squares placed between them.

That makes **3** circles in all.

9. Answer: (C) Tuesday

Counting forward from Wednesday: Thursday, Friday, Saturday, Sunday, Monday, **Tuesday** — 6 days later.

10. Answer: (B) Bala

Chitra is first, so she is 1st. Aman is not last, so he must be 2nd. The only person left for the last place is **Bala**.

11. Answer: (D) A little water and warmth

A seed needs a little water and warmth to sprout. Without enough water, it stays dry and cannot begin to grow into a new plant.

12. Answer: (A) Stem

Ginger grows underground and stores food in a swollen stem, not a root. This kind of underground stem is called a rhizome.

13. Answer: (B) Herbivores

Animals that eat only plant food, such as deer, rabbits and goats, are called herbivores.

14. Answer: (C) Nest

Birds build a nest, often from twigs and grass, to lay their eggs and keep their chicks safe.

15. Answer: (D) Hen

A hen's body is covered with feathers, which keep it warm. Fish have scales, frogs have smooth wet skin and snakes have dry scales.

16. Answer: (A) Penguin

A penguin has short, flipper-like wings. It cannot fly, but it swims very well to catch fish in cold water.

17. Answer: (B) Protective

Fruits and vegetables are rich in vitamins and minerals that help protect our body from illness, so they are called protective foods.

18. Answer: (C) Cow

Cows, along with buffaloes and goats, give milk, which is why cow's milk is commonly drunk at home. Hens give eggs, not milk.

19. Answer: (D) It helps our stomach to digest the food more easily

Chewing breaks food into tiny pieces and mixes it with saliva, which makes it much easier for our stomach to digest.

20. Answer: (A) River

A river is a natural source of fresh water that flows down from hills and mountains. A pool, tank and bottle only store water that has come from somewhere else.

21. Answer: (B) Solid

When water is cooled enough, it becomes hard and keeps its own shape. This hard form of water is called its solid state, or ice.

22. Answer: (C) Wind

When air moves, we call it wind. We cannot see wind, but we can feel it and see its effect, such as leaves shaking on a tree.

23. Answer: (D) Oxygen

A flame needs oxygen from the air to keep burning. Once the trapped oxygen inside the jar is used up, the flame cannot burn any longer and it goes out.

24. Answer: (A) Eyes

Our eyes let us see the shape, size and colour of the things around us.

25. Answer: (B) Lungs

Our lungs take in fresh air when we breathe in and push out used air when we breathe out.

26. Answer: (C) Hold the burnt part under cool running water

Cool running water held over a small burn helps to take the heat out of the skin and ease the pain. This should be done first, before any other care.

27. Answer: (D) look carefully both ways for traffic

Looking carefully both ways for traffic before stepping onto the road helps us cross safely and avoid accidents.

28. Answer: (A) Woollen clothes

Woollen clothes trap warm air close to our body, which helps to keep us warm in cold winter weather.

29. Answer: (B) after rain, when the sun comes out

Sunlight passing through tiny drops of rain still floating in the air splits into many colours, forming a rainbow. This is why a rainbow is usually seen after rain, when the sun comes out.

30. Answer: (B) 3

The picture shows three round shapes, which stand for fruits, and two pointed shapes, which stand for vegetables.

That makes **3** fruits in all.

31. Answer: (C) Plants tend to grow towards light

The plant bent and grew towards the one thing that was different on that side — the light coming through the window. This shows that **plants tend to grow towards light**.

32. Answer: (D) To trap air near their skin and stay warm

Just as wool traps warm air close to our skin, fluffed-up feathers trap a layer of air close to a bird's skin. This trapped air keeps the bird's body heat from escaping quickly, so the bird stays warm.

33. Answer: (A) Our heart keeps beating all the time, even while we are asleep

The heart works non-stop, day and night, to pump blood around the body, even while we sleep. We see with our eyes, smell with our nose, and our bones are firm, not bendy like rubber, which is why the other statements are wrong.

34. Answer: (B) Seeds need enough warmth to sprout and grow

Both pots had the same soil, water and number of seeds, so temperature was the only real difference between them. Only the seeds kept warm were able to sprout, which shows that **seeds need enough warmth to sprout and grow**.

35. Answer: (C) Water vapour rises from oceans and rivers, cools high up in the sky, and forms clouds that later release rain

Heat from the sun turns water from oceans, rivers and lakes into invisible water vapour, which rises and cools high in the sky to form tiny water drops. These drops gather together as clouds, and when the clouds become heavy enough, the water falls back down as rain.