

Full Practice Exam — Set 1

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

1. What comes next in the series? 3, 6, 9, 12, ____

- (A) 13 (B) 14
(C) 15 (D) 18

2. Find the **odd one out**: Cow, Goat, Sheep, Tiger

- (A) Tiger (B) Goat
(C) Sheep (D) Cow

3. What comes next in the letter series? J, L, N, P, ____

- (A) Q (B) T
(C) S (D) R

4. Which shape below has a **different** number of corners from the rest?

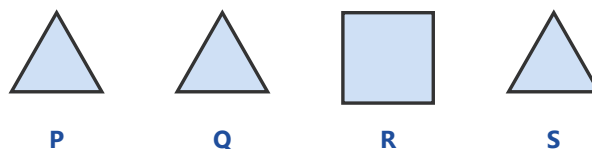


Fig. 4.1

- (A) P (B) Q
(C) R (D) S

5. In a certain code, DOG is written as 4-15-7. How is CAT written in the same code?

- (A) 3-1-20 (B) 3-1-19
(C) 2-1-20 (D) 3-2-20

6. In a row of 12 children, Sonu is 5th from the right end. What is his position from the left end?
- (A) 6th (B) 8th
(C) 7th (D) 9th
7. A girl is facing north. She turns 90° clockwise. Which direction does she face now?
- (A) North (B) West
(C) South (D) East
8. Chick : Hen :: Puppy : ____
- (A) Dog (B) Cat
(C) Cow (D) Goat
9. Count the squares in the figure below.

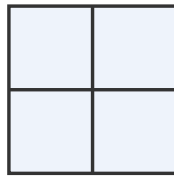


Fig. 9.1

- (A) 4 (B) 5
(C) 8 (D) 9
10. If today is Friday, what day was it 3 days ago?
- (A) Monday (B) Tuesday
(C) Wednesday (D) Thursday

Section 2 — Science

Q11–Q30 · 1 mark each

11. Which part of a plant makes food for it?
- (A) Root (B) Stem
(C) Leaf (D) Flower
12. A plant with a weak stem that spreads along the ground is called a ____.
- (A) Tree (B) Herb
(C) Shrub (D) Creeper
13. Which of these do we eat as a **leaf**?
- (A) Cabbage (B) Potato
(C) Banana (D) Onion

14. A camel can survive many days in the desert without water because it stores fat in its _____.
(A) Legs (B) Hump
(C) Ears (D) Tail
15. A young frog is called a _____.
(A) Cub (B) Chick
(C) Tadpole (D) Calf
16. Animals that eat only flesh are called _____.
(A) Herbivores (B) Scavengers
(C) Omnivores (D) Carnivores
17. The bony frame that gives our body its shape is called the _____.
(A) Skeleton (B) Skin
(C) Muscle (D) Brain
18. Which organ pumps blood around the body?
(A) Lungs (B) Heart
(C) Stomach (D) Liver
19. Which set of teeth do we use to **tear** food?
(A) Incisors (B) Molars
(C) Canines (D) Milk teeth
20. Foods such as rice, chapati and potato give us _____.
(A) Colour (B) Bones
(C) Water (D) Energy
21. A meal that has a little of every kind of food is called a _____ diet.
(A) Balanced (B) Sweet
(C) Fried (D) Cold
22. Which of these should we eat only **once in a while**?
(A) Fresh fruit (B) Chips and cold drinks
(C) Vegetables (D) Dal and rice
23. The blanket of air all around the earth is called the _____.
(A) Desert (B) Ocean
(C) Atmosphere (D) Forest
24. Water changes into water vapour when it is _____.
(A) Cooled (B) Coloured
(C) Frozen (D) Heated

25. Clouds are made of _____.
(A) Countless tiny drops of water (B) Smoke
(C) Cotton (D) Dust only
26. Which of these should we do to save water?
(A) Leave the tap running (B) Close the tap while brushing our teeth
(C) Wash the car with a hose every day (D) Let pipes leak
27. The sun gives us _____.
(A) Wind only (B) Rain
(C) Light and heat (D) Soil
28. We see the moon and stars during the _____.
(A) Day (B) Afternoon
(C) Morning (D) Night
29. The earth we live on is shaped like a _____.
(A) Ball (B) Flat plate
(C) Box (D) Triangle
30. The moon goes round the _____.
(A) Sun (B) Earth
(C) Stars (D) Clouds

Achievers Section

Q31–Q35 · 2 marks each

31. Two identical plants are kept in a sunny window. Plant X is watered daily and plant Y is not watered at all. After ten days plant Y has dried up. What does this show?
(A) Plants do not need sunlight (B) Plants need soil only
(C) Plants need water to stay alive (D) Plants grow better without water
32. Which of these correctly matches an animal with its young one?
(A) Cow — puppy (B) Dog — kitten
(C) Hen — calf (D) Cat — kitten
33. Why does an empty bottle pushed mouth-first into water take in very little water at first?
(A) The bottle is already full of air, which occupies space (B) The bottle is too narrow
(C) Water is too heavy (D) Glass repels water
34. Why do we feel out of breath after running fast?
(A) Because the lungs shrink (B) Because the body needs more oxygen and breathes faster to get it
(C) Because the heart stops (D) Because the air becomes thin

- 35.** When it is noon in India, it is night on the other side of the earth. Which single fact best explains this?
- (A) The sun travels round the earth once a day
- (B) The earth goes round the sun once a year
- (C) The earth is roughly a ball and spins, so only the half facing the sun is lit
- (D) The moon blocks the sunlight on one side

Answer Key

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

Solutions

1. Answer: (C) 15

Each number is 3 more than the one before it.

$$12 + 3 = \mathbf{15}.$$

2. Answer: (A) Tiger

Cow, goat and sheep are all tame farm animals that eat plants. A **tiger** is a wild meat-eating animal, so it is the odd one out.

3. Answer: (D) R

Each letter skips one: J, (K), L, (M), N, (O), P, (Q), **R**.

4. Answer: (C) R

P, Q and S are all triangles with 3 corners. **R** is a square with 4 corners, so it has a different number.

5. Answer: (A) 3-1-20

Each letter is replaced by its position in the alphabet: D = 4, O = 15, G = 7.

So C = 3, A = 1 and T = 20, giving **3-1-20**.

6. Answer: (B) 8th

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

$$= 12 - 5 + 1 = \mathbf{8th}.$$

7. Answer: (D) East

Turning 90° clockwise from north takes her to **east**.

8. Answer: (A) Dog

A chick grows up into a hen. A puppy grows up into a **dog**.

9. Answer: (B) 5

There are 4 small squares, and the whole outline is also a big square.

$$4 + 1 = \mathbf{5} \text{ squares in all.}$$

10. Answer: (B) Tuesday

Counting back from Friday: Thursday, Wednesday, **Tuesday** — 3 days before.

11. Answer: (C) Leaf

The **leaf** makes food using sunlight, air and water. This is why leaves are broad and flat, to catch more sunlight.

12. Answer: (D) Creeper

A **creeper** has a weak stem that cannot stand upright, so it spreads along the ground — like a pumpkin plant.

13. Answer: (A) Cabbage

A **cabbage** is a tight ball of thick leaves. A potato is an underground stem and a banana is a fruit.

14. Answer: (B) Hump

The camel's **hump** stores fat, which the body breaks down for energy and a little water when food and water are scarce.

15. Answer: (C) Tadpole

A young frog is a **tadpole**. It lives in water and has a tail and gills, which it loses as it grows into a frog.

16. Answer: (D) Carnivores

Carnivores, such as lions and tigers, eat only the flesh of other animals.

17. Answer: (A) Skeleton

The **skeleton** is the frame of bones inside our body. It gives us shape, holds us upright and protects the soft parts inside.

18. Answer: (B) Heart

The **heart** keeps squeezing and relaxing, pushing blood to every part of the body.

19. Answer: (C) Canines

Canines are the pointed teeth beside the front teeth, used for tearing. Incisors cut and molars grind.

20. Answer: (D) Energy

Rice, chapati and potato are energy-giving foods. They give us the strength to run, play and work.

21. Answer: (A) Balanced

A **balanced** diet has the right amount of energy-giving, body-building and protective foods.

22. Answer: (B) Chips and cold drinks

Chips and cold drinks are junk food with little goodness, so they should be eaten only rarely.

23. Answer: (C) Atmosphere

The layer of air that surrounds the earth is the **atmosphere**. It gives us the air we breathe.

24. Answer: (D) Heated

On **heating**, water turns into invisible water vapour and rises into the air. This is called evaporation.

25. Answer: (A) Countless tiny drops of water

Rising water vapour cools high in the sky and turns into **countless tiny drops of water**, which together form a cloud.

26. Answer: (B) Close the tap while brushing our teeth

Closing the tap while brushing saves many litres of water each day.

27. Answer: (C) Light and heat

The sun gives us **light and heat**. Without it there would be no day, no warmth and no plants.

28. Answer: (D) Night

The moon and stars are seen at **night**. They are there in the day too, but the bright sunlight hides them.

29. Answer: (A) Ball

The earth is round like a **ball**, as photographs from space clearly show.

30. Answer: (B) Earth

The moon travels round the **earth**. It is the earth's only natural satellite.

31. Answer: (C) Plants need water to stay alive

The only difference between the two plants was the water, so the water must have caused the difference. This shows that **plants need water to stay alive**.

32. Answer: (D) Cat — kitten

A young cat is a **kitten**. A cow has a calf, a dog has a puppy and a hen has a chick, so the other three are matched wrongly.

33. Answer: (A) The bottle is already full of air, which occupies space

The bottle only looks empty — **it is already full of air, which occupies space**. The trapped air keeps the water out until the bottle is tilted and bubbles escape.

34. Answer: (B) Because the body needs more oxygen and breathes faster to get it

Running makes the muscles work hard and use up oxygen quickly, so **the body needs more oxygen and breathes faster to get it**.

35. Answer: (C) The earth is roughly a ball and spins, so only the half facing the sun is lit

Because the earth is a ball, sunlight can fall on only one half of it at a time. **The earth spins, so only the half facing the sun is lit**, while the other half has night.