STUDENT COPY · SET A

Class 4 · Science Olympiad

Total questions	Total marks	Time	Negative marking
35	40	60 minutes	None

Name: _____ Class/Section: _____ Roll no: _____

Each question has four options, of which only one is correct. Mark your answer on the answer sheet. The Achievers Section carries higher marks per question. Your teacher has the answers.
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Logical Reasoning

5 questions · 1 mark each · 5 marks

Q1. Which letter comes next? I, L, O, R, ___

(A) U (B) T (C) V (D) X

Q2. Anita walks 7 m towards north, turns right and walks 5 m, then turns right again and walks 7 m. How far is Anita from the starting point, and in which direction?

(A) 12 m, North (B) 5 m, East (C) 5 m, West (D) 7 m, East

Q3. Book : Library :: Medicine : ___

(A) Pharmacy (B) Garage (C) Bakery (D) Studio

Q4. In the first row the numbers are 2, 5 and 10. In the second row they are 3, 6 and 12. In the third row they are 4, 4 and ___ . The same rule applies to every row.

(A) 13 (B) 11 (C) 10 (D) 12

Q5. If DOG is written as 4 - 15 - 7 using the positions of the letters in the alphabet, how is CUP written?

(A) 24 - 6 - 11 (B) 16 - 21 - 3 (C) 3 - 21 - 16 (D) 4 - 22 - 17

Science

25 questions · 1 mark each · 25 marks

Q6. Which simple machine is used in a see-saw?

(A) Screw (B) Lever (C) Wedge (D) Pulley

Q7. An empty cup is pushed upside down into a bucket. Water does not fill it at once. What does this show?

(A) Air has weight (B) Air moves as wind

(C) Air supports burning (D) Air occupies space

Q8. What do we call animals that are active at night?

(A) Herbivores (B) Nocturnal animals

(C) Amphibians (D) Aquatic animals

Q9. A wet handkerchief dries on a line without boiling. What change of state removed the water?

(A) Condensation (B) Evaporation (C) Freezing (D) Melting

Q10. Which planet is nearest to the Sun?

(A) Venus (B) Earth (C) Mars (D) Mercury

Q11. Four things fall into a bucket of water. Which one is most likely to dissolve after stirring?

(A) Mustard oil (B) Salt (C) Sand (D) Chalk powder

Q12. Where do fish take in oxygen from water?

(A) Through their scales (B) Through their gills

(C) Through their fins (D) Through their tail

Q13. A morsel is chewed and swallowed. Which path is correct until it reaches the stomach?

(A) Mouth → nose → stomach (B) Mouth → windpipe → stomach

(C) Mouth → large intestine → stomach (D) Mouth → food pipe → stomach

Q14. Which sense organ do we use to smell?

(A) The tongue (B) The skin (C) The nose (D) The ear

Q15. Which tiffin is the most balanced for a school lunch?

(A) Biscuits, cake, juice and jelly (B) Noodles, sauce, sweets and cola

(C) Chapati, dal, carrot and curd (D) Rice, chips, bread and jam

Q16. How many legs does an insect have?

(A) Eight (B) Four (C) Six (D) Ten

Q17. In a garden corner, which waste will become useful compost fastest?

(A) Plastic wrapper (B) Vegetable peels

(C) Glass pieces (D) Aluminium foil

Q18. Which organs help us to breathe?

(A) The stomach (B) The kidney (C) The lungs (D) The heart

Q19. Which action mainly shows force changing the direction of motion?

(A) Stretching a rubber band (B) Kicking a still football

(C) Stopping a rolling ball (D) Turning a bicycle handlebar

Q20. Which part of the body controls all our actions and thoughts?

(A) The stomach (B) The lungs (C) The brain (D) The heart

Q21. A school garden slope loses soil after rain. Which action will best reduce this soil erosion?

(A) Remove roots from the slope (B) Plant grass on the slope

(C) Pour more water on the slope (D) Make soil bare and smooth

Q22. Which of these is a herbivore — an animal that eats only plants?

(A) Lion (B) Eagle (C) Tiger (D) Cow

Q23. A bird lives near a pond and catches small fish. Which body feature would help it most?

(A) Long pointed beak (B) Thick crushing beak

(C) Broad flat beak (D) Short curved beak

Q24. How long does the Earth take to complete one rotation on its axis?

(A) 30 days (B) 24 hours (C) 12 hours (D) 365 days

Q25. Wet woollen socks dry slower than nylon socks mainly because wool does which of these?

(A) Stretches more easily (B) Absorbs more water

(C) Feels smoother to touch (D) Reflects more light

Q26. Which liquid helps digest food in the mouth?

(A) Bile (B) Sweat (C) Blood (D) Saliva

Q27. The same amount of water is kept in four containers in sunlight. Which will lose water fastest?

(A) Closed glass bottle (B) Narrow deep bowl

(C) Wide shallow bowl (D) Covered steel bowl

Q28. What do we call the water cycle stage where clouds form?

(A) Filtration (B) Condensation

(C) Precipitation (D) Evaporation

Q29. Which choice will reduce plastic waste the most during a school picnic?

(A) Throw wrappers after lunch (B) Buy many small water pouches

(C) Use a new straw for each drink (D) Carry a reusable steel bottle

Q30. Water freezes into ice at which temperature?

(A) -100°C (B) 100°C (C) 10°C (D) 0°C

Achievers Section

5 questions · 2 marks each · 10 marks

Q31. You see a bird with a long, sharp, pointed beak catching fish. What does the beak shape tell you?

(A) It is suited to spearing and gripping fish (B) It is used for sipping nectar

(C) It is used for cracking seeds (D) It is used for digging soil

Q32. Rohan filters muddy water through a clean cloth. It looks clear, but his teacher says it is not safe to drink yet. What should he do next at home?

(A) Stir it with a spoon (B) Add more mud and settle it

(C) Keep it open all night (D) Boil it and cool it

Q33. A gardener waters a plant but keeps it in a completely dark cupboard. The plant slowly turns yellow and dies. Why?

(A) Without light it cannot make food by photosynthesis (B) The cupboard has too much oxygen

(C) Water is harmful to plants in the dark (D) Plants need soil, not water

Q34. A bird often picks tiny insects from narrow cracks in tree bark. Which beak would help it most?

(A) Broad, flat beak

(B) Short, cone-shaped beak

(C) Strong, hooked beak

(D) Long, pointed beak

Q35. Ria walks through dry grass and later finds small seeds stuck to her socks. Which seed feature helped them spread this way?

(A) Tiny hooks on seed coat

(B) Juicy fruit pulp

(C) Broad wings around seed

(D) Air-filled spongy coat

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