STUDENT COPY · SET B

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 number comes just before 1334?

(A) 1332 (B) 1333 (C) 1334 (D) 1336

Q2. In a certain code BUS is written as FYW. How is BAT written in that code?

(A) XEF (B) GFY (C) FEX (D) XWP

Q3. Which word would come FIRST in a dictionary?

(A) museum (B) maple (C) minute (D) melon

Q4. Which one does NOT belong with the others?

(A) Eagle (B) Crow (C) Sparrow (D) Bat

Q5. Pointing to a boy in a photograph, Vikram said, “This boy is not me, but he is the son of my paternal grandfather’s only son.” How is the boy related to Vikram?

(A) Nephew (B) Cousin (C) Brother (D) Uncle

Science

25 questions · 1 mark each · 25 marks

Q6. A steel spoon kept in hot milk becomes warm, but its shape stays the same. Which statement is correct?

(A) It is a liquid and dissolves
(B) It is a gas and spreads out
(C) It is a solid and conducts heat
(D) It is a solid and evaporates

Q7. Which gas in the air do we need to breathe?

(A) Oxygen
(B) Helium
(C) Nitrogen
(D) Carbon dioxide

Q8. Water spilled on the floor slowly disappears on a warm afternoon. Which change is happening?

(A) Solid ice changes to vapour
(B) Liquid water changes to ice
(C) Liquid water changes to vapour
(D) Vapour changes to liquid drops

Q9. Why does a woollen sweater keep you warmer than a thin cotton shirt?

(A) It traps more air near the body
(B) It absorbs all cold from air
(C) It gives heat like a heater
(D) It lets wind pass through easily

Q10. Which vitamin does our skin make when sunlight falls on it?

(A) Vitamin C (B) Vitamin K (C) Vitamin A (D) Vitamin D

Q11. Which nutrient is the main source of energy for our body?

(A) Water
(B) Minerals
(C) Carbohydrates
(D) Vitamins

Q12. Muddy water is left undisturbed, then poured through cloth. Which pair of steps is being used?

(A) Boiling and dissolving
(B) Condensation and freezing
(C) Sedimentation and filtration
(D) Evaporation and melting

Q13. Nisha has a scraped knee. Which food would add the most body-building nutrient for repair?

(A) Sugar candy
(B) Plain rice
(C) Sprouted chana
(D) Lemon water

Q14. Which planet is known as the Red Planet?

(A) Jupiter (B) Saturn (C) Mars (D) Venus

Q15. Which gas do plants take in during photosynthesis?

(A) Hydrogen
(B) Carbon dioxide
(C) Oxygen
(D) Nitrogen

Q16. Which tiffin is the most balanced for lunch?

(A) Roti, dal, carrot and curd
(B) Rice, pickle and papad
(C) Poori, potato and sweet
(D) Bread, butter and sugar

Q17. A shopkeeper offers a cloth bag or a thin plastic bag for vegetables. Which choice best reduces waste?

(A) Burn the plastic bag
(B) Take a new plastic bag
(C) Use the cloth bag again
(D) Throw both bags away

Q18. A dry roti tastes a little sweet after long chewing. Which liquid helped this change begin?

(A) Blood
(B) Gastric juice
(C) Bile
(D) Saliva

Q19. Which part of a plant takes in water from the soil?

(A) The fruit (B) The flower (C) The root (D) The leaf

Q20. Which of these is a good conductor of electricity?

(A) Rubber (B) Wood (C) Plastic (D) Copper

Q21. What is the natural satellite of the Earth called?

(A) The Moon (B) Mars (C) The Sun (D) A comet

Q22. The Moon is bright at night but is not a star. Which statement explains this?

(A) It has fire like the Sun (B) It reflects sunlight

(C) It is bigger than Earth (D) It makes its own light

Q23. Which animal is known as the ship of the desert?

(A) Donkey (B) Elephant (C) Horse (D) Camel

Q24. Meena has rice, dal and curd for lunch. Which item should she add to get more vitamins and roughage?

(A) Carrot salad (B) Fried papad

(C) Sugar syrup (D) Extra white rice

Q25. Which part of a plant makes its food?

(A) The root (B) The seed (C) The leaf (D) The stem

Q26. Riya chews each bite well before swallowing. Which pair of actions does chewing mainly do?

(A) Makes bile and stores it (B) Absorbs food and removes water

(C) Breaks food and mixes saliva (D) Churns food and adds acid

Q27. Which organ pumps blood around the body?

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

Q28. A sweater and a cotton shirt are both dry. Which garment traps more air and is better for a cold morning?

(A) Silk scarf (B) Woollen sweater

(C) Cotton shirt (D) Nylon raincoat

Q29. Which force pulls objects towards the Earth?

(A) Magnetism (B) Friction (C) Pressure (D) Gravity

Q30. A bird has a short, hard, cone-shaped beak. Which food is it best adapted to eat?

(A) Fish from water (B) Nectar in flowers

(C) Worms in mud (D) Hard seeds

Achievers Section

5 questions · 2 marks each · 10 marks

Q31. While eating roasted corn, Anu bites kernels off the cob and then crushes them. Which teeth mainly do these two jobs, in order?

(A) Incisors, then molars (B) Premolars, then canines

(C) Molars, then incisors (D) Canines, then molars

Q32. A frog lays eggs in a pond. Later, the young one can live on land. Which change is most important for this?

(A) It grows lungs and legs (B) It grows fins and scales

(C) It grows feathers and wings (D) It grows gills and a tail

Q33. Cold water is poured into a steel tumbler. Soon drops appear on the outside, though nothing spilled. Where did these drops come from?

(A) Moisture from the steel

(B) Water vapour in the air

(C) Water from inside the tumbler

(D) Tiny drops from the table

Q34. A shopkeeper must move a heavy sack from the ground into a truck. Which method uses a simple machine to reduce effort?

(A) Lift it straight up by hand

(B) Push it up a sloping plank

(C) Carry it on one shoulder

(D) Drag it over rough ground

Q35. Sara eats only rice and potato for lunch for many days. She has enough energy but lacks a body-building nutrient. What should she add?

(A) Dal (B) Salt (C) Sugar (D) Ghee

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