

SCO INTERNATIONAL SCIENCE OLYMPIAD

CLASS 4 QUESTION PAPER

A reviewed question paper for schools, teachers, parents, and students

Designed from Class 4 science learning pathways and aligned with SCO's platform flow for guided preparation, practice, reporting, and future-ready academic growth.

- age-fit science practice for Class 4 / primary-level learners globally
- question blocks across human body, plants, matter, environment, resources, transport, force, and energy
- answer keys, explanations, visual references, and classroom-ready review format for academic enrichment

Human Body	Plants	Matter	Environment	Waste
Transport	Energy	Forces	Practice	Review

SCO INTERNATIONAL SCIENCE OLYMPIAD

Class 4 | Question Paper Set A | Total Questions: 35 | Time: 1 Hour

<p>Paper Purpose</p> <ul style="list-style-type: none"> • Checks Class 4 science understanding through concept, observation, application, and reasoning questions. • Designed for student practice, teacher review, school display, and website publication. 	<p>Corrected Structure</p> <ul style="list-style-type: none"> • General Science: Q1-Q20 • Matter, Resources and Transport: Q21-Q30 • Achievers Section: Q31-Q35
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Guidelines for the Candidate

- Read each question carefully before selecting the answer.
- Each question has only one correct option.
- Use the answer key and explanation section after attempting the paper for learning and revision.
- Visual questions include images inside the related question block for easier understanding.

Q1. Why do we need food and healthy drinks such as fruit juice?



A. To get energy

B. To help the body grow

C. To stay active and healthy

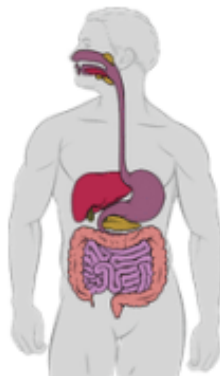
D. All of the above

Answer

D

Explanation: Food and healthy drinks give the body energy, support growth, and help us stay active. Therefore all the listed reasons are correct.

Q2. The wave-like movement of the digestive tract walls that helps food move through the digestive tract is called _____.



A. Circular motion

B. Rectilinear motion

C. Peristaltic motion

D. None of the above

Answer

C

Explanation: Peristaltic motion is the squeezing and relaxing movement of muscles that pushes food through the food pipe and other parts of the digestive tract.

Q3. The food pipe is also known as the _____.



A. Rectum

B. Oesophagus

C. Stomach

D. Windpipe

Answer

B

Explanation: The oesophagus, also called the food pipe, carries swallowed food from the mouth/throat area to the stomach.

Q4. The shape of the stomach is most similar to which letter?



A. J

B. A

C. T

D. S

Answer

A

Explanation: The human stomach is commonly described as J-shaped.

Q5. Which activity is mainly related to the stomach?



A. Complete digestion of food

B. Partial digestion of food

C. No digestion takes place

D. Excretion of food

Answer

B

Explanation: The stomach mixes food with digestive juices and starts the digestion of proteins, but complete digestion mainly continues in the small intestine.

Q6. In which of the following parts does major digestion not take place?



a. Large intestine



b. Small intestine



c. Mouth



d. Stomach

A. Large intestine

B. Small intestine

C. Mouth

D. Stomach

Answer

A

Explanation: Major digestion happens in the mouth, stomach, and small intestine. The large intestine mainly absorbs water and forms waste.

Q7. What may happen if food is not digested properly?

A. Injury

B. Fever

C. Indigestion

D. None of the above

Answer

C

Explanation: When food is not digested properly, a person may feel discomfort such as indigestion, gas, or stomach pain.

Q8. Which part looks like a pink or reddish tube with many folds?

A. Rectum

B. Mouth

C. Small intestine

D. Large intestine

Answer

C

Explanation: The small intestine is a long folded tube where digestion and absorption of nutrients mainly take place.

Q9. Which of the following is not matter?



a. Table



b. Chair



c. Light energy



d. Notebook

A. Table

B. Chair

C. Light energy

D. Notebook

Answer

C

Explanation: Matter has mass and occupies space. A table, chair, and notebook are matter, but light is a form of energy.

Q10. Which of the following is not a characteristic of a herb?



A. Lives for a short period of time

B. Has a hard brown woody stem

C. Is shorter than most trees

D. Has a soft green stem

Answer

B

Explanation: Herbs are small plants with soft green stems. A hard brown woody stem is usually seen in shrubs or trees.

Plants and Environment

Q11. Riya's mother used mint leaves to make tasty tea. The plant part used belongs to which system of a plant?



A. Shoot system

B. Root system

C. Digestive system

D. Circulatory system

Answer

A

Explanation: Leaves are part of the shoot system. The shoot system includes the stem, leaves, flowers, and fruits.

Q12. Select the option that has a fibrous root system.



a. Maize



b. Grass



c. Bamboo

A. Maize

B. Grass

C. Bamboo

D. All of the above

Answer

D

Explanation: Maize, grass, and bamboo all have fibrous root systems, where many thin roots spread out from the base of the plant.

Q13. Why do all seeds not germinate?



A. Some seeds are eaten by animals

B. Some seeds do not get proper conditions for germination

C. Some seeds get infected by insects

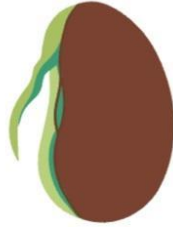
D. All of the above

Answer

D

Explanation: Seeds may fail to germinate if they are eaten, damaged, infected, or do not get water, air, warmth, and suitable conditions.

Q14. What are the agents through which seeds travel from one place to another?



A. Wind

B. Water

C. Animals and insects

D. All of the above

Answer

D

Explanation: Seeds can be dispersed by wind, water, animals, birds, and insects. These agents help plants grow in new places.

Q15. A teacher gives a digestion puzzle. Which part absorbs water and some vitamins from undigested food?



a. Small intestine

b. large intestine

c. Rectum

d. Food pipe

A. Small intestine

B. Large intestine

C. Rectum

D. Food pipe

Answer

B

Explanation: The large intestine absorbs water and some vitamins from undigested food before waste leaves the body.

Q16. Which of the following is not a part of the environment?



A. Air

B. Tree

C. Animals

D. None of the above

Answer

D

Explanation: Air, trees, and animals are all parts of the environment, so none of the listed items is outside the environment.

Q17. Which of the following can be a reason for pollution?



A. Eating food

B. Drinking water

C. Loud music

D. Burning a candle

Answer

C

Explanation: Loud music can cause noise pollution, which disturbs people, animals, and the surrounding environment.

Q18. Rohan says that running on land causes land pollution. Which option correctly explains land pollution?

A. Destruction or contamination of soil by human activity causes land pollution

B. Planting trees causes land pollution

C. Watering plants causes land pollution

D. Walking on land causes land pollution

Answer

A

Explanation: Land pollution means contamination or damage of land/soil by waste, chemicals, or harmful human activities. Running or walking normally does not cause land pollution.

Q19. Vegetable peels, fruit peels, leaves, and similar plant or food waste are commonly called _____.



A. Green waste

B. Wet waste only

C. Red waste

D. Dry waste

Answer

A

Explanation: Plant-based and food-based biodegradable waste is often called green waste because it can decompose and may be used for composting.

Q20. Riya has a banana peel. Which dustbin is the best choice for throwing a banana peel in a waste-segregation system?

A. Green/wet-waste bin

B. Blue dry-waste bin

C. On the road

D. None of the above

Answer

A

Explanation: A banana peel is biodegradable wet waste, so it should go into the green or wet-waste bin where compostable waste is collected.

Matter, Resources and Transport

Q21. Which of the following items is generally more difficult to recycle?



A. Newspaper

B. Paper envelope

C. Letter

D. Plastic

Answer

D

Explanation: Clean paper items are usually easier to recycle than many plastic items. Plastic recycling depends on type, cleanliness, and local facilities.

Q22. The type of matter commonly filled in a balloon is _____.

A. Gas

B. Water

C. Toffees

D. All of the above

Answer

A

Explanation: Balloons are usually filled with air or another gas. Gas takes the shape of the balloon and fills the space inside it.

Q23. Dust particles in air are a _____ form of matter.

A. Solid

B. Liquid

C. Gas

D. Solid and liquid both

Answer

A

Explanation: Dust particles are tiny solid particles floating in air.

Q24. Which type of pollution can result in asthma or breathing problems?

- | | |
|-------------------|--------------------|
| A. Air pollution | B. Water pollution |
| C. Land pollution | D. Noise pollution |

Answer

A

Explanation: Air pollution can irritate the lungs and worsen breathing problems such as asthma.

Q25. Which of the following energy sources do we not get from natural sources?

- | | |
|-----------------|----------------------|
| A. Solar energy | B. Wind energy |
| C. Water energy | D. None of the above |

Answer

D

Explanation: Solar, wind, and water energy all come from natural sources, so none of the listed energy types is non-natural.

Q26. Which transport is commonly seen in many rural areas?



- | | |
|-----------------|---------------|
| A. Bullock cart | B. Sports car |
| C. Ship | D. Cargo |

Answer

A

Explanation: A bullock cart is a traditional transport used in many rural areas for carrying people or goods.

Q27. Which of the following is used to transport goods through waterways?



A. Ship

B. Boat

C. Cargo

D. Submarine

Answer

A

Explanation: A ship is a water transport vehicle that can carry goods. Cargo means goods being carried, not the vehicle itself.

Q28. Plastic is a non-biodegradable material. What does non-biodegradable mean?

A. A material that degrades easily

B. A material that does not break down easily by natural processes

C. A material that disappears in air

D. None of the above

Answer

B

Explanation: Non-biodegradable materials do not break down quickly by natural decomposers and can remain in the environment for a long time.

Q29. Siya uses old chart paper to make a wall hanging. Siya _____ the chart paper.

A. Reduces

B. Recycles

C. Reuses

D. Refuses

Answer

C

Explanation: Using the same material again for another purpose is called reuse.

Q30. Plants take nitrogen from the atmosphere _____.

A. Directly

B. Indirectly

C. Sometimes

D. Never

Answer

B

Explanation: Most plants cannot use nitrogen gas directly from the air. They take usable nitrogen compounds from the soil after nitrogen fixation.

Achievers Section

Q31. The type of energy a moving object has is _____.

A. Potential energy

B. Kinetic energy

C. Solar energy

D. Wind energy

Answer

B

Explanation: Kinetic energy is the energy of motion. Any moving object has kinetic energy.

Q32. Coal, natural gas, and petrol are _____.

A. Sources of wind energy

B. Sources of solar energy

C. Fossil fuels

D. Sources of water energy

Answer

C

Explanation: Coal, natural gas, and petrol are fossil fuels formed from ancient living matter over millions of years.

Q33. What can a force do?

A. Change the direction of a moving ball

B. Stop a moving cycle

C. Change the speed of a ball

D. All of the above

Answer

D

Explanation: A force can change the speed, direction, or state of motion of an object. It can start, stop, speed up, slow down, or turn an object.

Q34. The force exerted by a magnet is called _____.

A. Non-magnetic force

B. Magnetic force

C. Muscular force

D. Gravitational force

Answer

B

Explanation: A magnet can attract magnetic materials through magnetic force.

Q35. Riya pushes a bucket and the bucket moves a small distance. In science, _____ is said to be done.



A. Muscle

B. Energy

C. Work

D. Force

Answer

C

Explanation: Work is done when a force moves an object through a distance.

Consolidated Answer Key

Q.No.	Ans.	Q.No.	Ans.	Q.No.	Ans.	Q.No.	Ans.	Q.No.	Ans.
1	D	8	C	15	B	22	A	29	C
2	C	9	C	16	D	23	A	30	B
3	B	10	B	17	C	24	A	31	B
4	A	11	A	18	A	25	D	32	C
5	B	12	D	19	A	26	A	33	D
6	A	13	D	20	A	27	A	34	B
7	C	14	D	21	D	28	B	35	C

Review Notes for Student, Teacher and School Use

- The original paper identity has been kept as Class 4 / ISO / Set A, while the internal section title was corrected from a mathematics label to a science structure.
- The wording of incomplete or unclear image-based questions has been repaired so that each question has four clear options and one correct answer.
- Scientific answer corrections were applied where needed, especially for banana-peel waste segregation, waterways transport, fossil fuels, and matter/energy distinction.