

SCO INTERNATIONAL AI OLYMPIAD

CLASS 2 QUESTION PAPER

Set S | Reviewed Edition | 2025-26

A structured AI literacy assessment for young learners, schools, and teachers

Designed from early AI-literacy pathways and aligned with SCO's guided preparation, practice, reporting, and future-ready academic growth.

- age-fit learning guidance for Class 2 / primary-level learners globally
- question blocks across AI in daily life, voice assistants, robots, simple apps, object recognition, colors, shapes, and logical patterns
- answer keys and explanations included for classroom review, guided practice, and website-ready learning support

AI Basics	Voice Assistants	Robots	Pattern Recognition	Logic Puzzles
Object Matching	Color Patterns	Shapes	Counting	Responsible AI Use

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Class 2 | Question Paper Set S | Answer Key and Explanations

Class	Total Questions	Time	Format
2	35	1 Hour	MCQ

Guidelines for Students, Teachers, and Schools

- Read each question carefully before selecting one answer.
- There is only one correct option for each question.
- The answer key and explanation are included below every question for learning and review.
- Questions are designed to build early AI awareness, pattern recognition, logical reasoning, and responsible technology understanding.

Section 1
AI in Daily Life
Q1-Q5

Section 2
AI Examples
Q6-Q10

Section 3
Pattern Recognition
Q11-Q15

Section 4
Achievers
Q16-Q35

Section 1 - Basic Concepts: Introduction to AI in Daily Life

Question 1. What does AI stand for?

- A. Air Intelligence
- B. Artificial Intelligence
- C. Amazing Intelligence
- D. Active Intelligence

Answer Key: B. Artificial Intelligence

Explanation: AI stands for Artificial Intelligence. It means computer systems or machines that can do tasks that usually need human-like thinking, such as recognizing patterns, answering questions, or making simple decisions.

Question 2. Which of these is an example of AI in daily life?

- A. A washing machine without a timer
- B. A robot vacuum that cleans on its own
- C. A regular fan
- D. A pencil

Answer Key: B. A robot vacuum that cleans on its own

Explanation: A robot vacuum can use sensors and smart instructions to move around and clean by itself. This makes it a simple daily-life example of AI-enabled automation.

Question 3. What helps AI learn things?

- A. Magic
- B. Data
- C. Food
- D. Paper

Answer Key: B. Data

Explanation: AI systems learn from data, such as pictures, sounds, words, or numbers. Data helps AI find patterns and make better responses.

Question 4. Which of these is NOT an AI technology?

- A. Siri on an iPhone
- B. A toaster
- C. Google Maps
- D. Alexa

Answer Key: B. A toaster

Explanation: Siri, Google Maps, and Alexa use AI features such as voice recognition, recommendations, or route suggestions. A basic toaster does not learn or make intelligent decisions.

Question 5. AI mainly helps people by...

- A. Drawing pictures only
- B. Making smarter decisions and helping with tasks
- C. Sleeping for us
- D. Reading our minds

Answer Key: B. Making smarter decisions and helping with tasks

Explanation: AI can help people make better choices, find information, recognize patterns, and complete tasks. It does not sleep for people or read minds.

Section 2 - Examples of AI: Voice Assistants, Robots, and Simple Apps

Question 6. Which app uses AI to help you find directions?

- A. Google Maps
- B. Clock
- C. Camera
- D. Calculator

Answer Key: A. Google Maps

Explanation: Google Maps can use data, traffic information, and route suggestions to help people reach places. This makes it a useful example of AI in navigation.

Question 7. What can some robots do?

- A. Eat food
- B. Sing and talk with people
- C. Sleep like a human
- D. Cry tears

Answer Key: B. Sing and talk with people

Explanation: Some robots can be programmed to speak, sing, answer questions, or help with learning. Robots do not eat food or sleep like humans.

Question 8. Which of these is an AI voice assistant?

- A. Siri
- B. Chalkboard
- C. Doorbell
- D. Lamp

Answer Key: A. Siri

Explanation: Siri is a voice assistant that can listen to spoken words and respond. It is an example of AI used for natural interaction.

Question 9. Which AI system can help you play songs by voice command?

- A. Alexa
- B. Table
- C. Fridge
- D. Paper

Answer Key: A. Alexa

Explanation: Alexa can understand voice commands and play songs, answer questions, or make lists. This is a familiar example of an AI assistant.

Question 10. Robots are often used to...

- A. Play games with friends only
- B. Help in factories and homes
- C. Eat dinner
- D. Sleep in a bed

Answer Key: B. Help in factories and homes

Explanation: Robots can help with repeated or useful tasks in factories, homes, hospitals, and classrooms. They are machines designed to assist people.

Section 3 - Pattern Recognition Games: Recognizing Objects and Colors

Question 11. What shape comes next in the pattern: Circle, Square, Circle, Square, ____?

- A. Rectangle
- B. Circle
- C. Square
- D. Triangle

Answer Key: B. Circle

Explanation: The pattern repeats Circle, Square. After Square, the next shape should be Circle.

Question 12. Which of these is the odd one out?

- A. Red apple
- B. Green apple
- C. Blue banana
- D. Yellow banana

Answer Key: C. Blue banana

Explanation: A blue banana is the odd one out because bananas are usually yellow or green, while apples may be red or green.

Question 13. AI can recognize objects by using...

- A. Smell
- B. Pictures
- C. Books
- D. Magic

Answer Key: B. Pictures

Explanation: AI can use pictures from cameras to recognize objects such as cars, animals, or faces. This is called visual recognition.

Question 14. What comes after this color sequence: Red, Green, Red, Green, ____?

- A. Blue
- B. Red
- C. Yellow
- D. Green

Answer Key: B. Red

Explanation: The pattern repeats Red, Green. After Green, the next color is Red.

Question 15. Which tool helps AI recognize colors in pictures?

- A. Microphone
- B. Camera
- C. Book
- D. Spoon

Answer Key: B. Camera

Explanation: A camera captures pictures. AI can then analyze the picture to identify colors, shapes, and objects.

Section 4 - Achievers Section: Logical Puzzles and Matching Patterns

Question 16. If a robot cleans 2 rooms in 1 hour, how many rooms will it clean in 3 hours at the same speed?

- A. 5
- B. 6
- C. 3
- D. 9

Answer Key: B. 6

Explanation: The robot cleans 2 rooms each hour. In 3 hours, it cleans $2 + 2 + 2 = 6$ rooms.

Question 17. What comes next in this number pattern: 2, 4, 6, 8, _____?

- A. 10
- B. 12
- C. 14
- D. 16

Answer Key: A. 10

Explanation: The pattern increases by 2 each time. After 8, the next number is 10.

Question 18. Match the pair: Robot is to clean as Siri is to _____.

- A. Talk
- B. Walk
- C. Cook
- D. Dance

Answer Key: A. Talk

Explanation: A robot vacuum can clean, while Siri is a voice assistant that talks and responds to questions. Therefore, Talk is the best match.

Question 19. Which one does not belong with AI voice assistants?

- A. Siri
- B. Alexa
- C. Fan
- D. Google Assistant

Answer Key: C. Fan

Explanation: Siri, Alexa, and Google Assistant are AI voice assistants. A regular fan is not an AI voice assistant.

Question 20. If AI recognizes a car in a picture, what would it most likely notice?

- A. Wheels and windows
- B. A book and pen
- C. A tree and grass
- D. A dog and bone

Answer Key: A. Wheels and windows

Explanation: A car usually has wheels, windows, doors, and a body. AI can use such features to recognize it in a picture.

Question 21. A robot sees this pattern: Blue square, Red square, Blue square, Red square. What comes next?

- A. Orange square

- B. Blue square
- C. Red square
- D. Yellow square

Answer Key: B. Blue square

Explanation: The pattern alternates Blue square, Red square. After Red square, the next item is Blue square.

Question 22. Which AI device would help you make a spoken list?

- A. Calculator
- B. Alexa
- C. Torch
- D. Calendar

Answer Key: B. Alexa

Explanation: Alexa can understand a spoken request and create a list, such as a shopping list or reminder list.

Question 23. If 1 robot does 10 tasks in 1 day, how many tasks will 2 robots do in 2 days at the same rate?

- A. 20
- B. 30
- C. 40
- D. 50

Answer Key: C. 40

Explanation: One robot does 10 tasks in one day. Two robots do 20 tasks in one day, so in two days they do 40 tasks.

Question 24. AI can help a camera find...

- A. Stars only
- B. People's faces
- C. Colors only
- D. Shadows only

Answer Key: B. People's faces

Explanation: AI can help cameras recognize faces, objects, and patterns in pictures. Face detection is a common example.

Question 25. If AI recognizes a zebra, what pattern will it notice?

- A. Dots
- B. Stripes
- C. Circles
- D. Plain color

Answer Key: B. Stripes

Explanation: A zebra is commonly recognized by its black-and-white stripes. Pattern recognition helps AI identify such animals.

Question 26. Match the shapes: Triangle is to 3 sides as Square is to ____.

- A. 4 sides
- B. 5 sides
- C. 6 sides
- D. 2 sides

Answer Key: A. 4 sides

Explanation: A triangle has 3 sides. A square has 4 equal sides, so 4 sides is the correct answer.

Question 27. What is the missing part in this pattern: Red square, Green square, Blue square, Red square, Green square, ____?

- A. Blue square
- B. Yellow square
- C. Orange square
- D. Brown square

Answer Key: A. Blue square

Explanation: The pattern repeats Red, Green, Blue. After Red and Green, the next item is Blue square.

Question 28. AI uses patterns to solve puzzles like...

- A. Matching objects
- B. Writing essays only
- C. Flying planes only
- D. Cooking food by itself

Answer Key: A. Matching objects

Explanation: AI can compare patterns, colors, shapes, and features to match similar objects. Pattern matching is a basic AI skill.

Question 29. What does a self-driving car use to help stay on the road?

- A. Music
- B. Cameras and AI
- C. Paint
- D. A book

Answer Key: B. Cameras and AI

Explanation: A self-driving car can use cameras, sensors, maps, and AI to understand the road and make driving decisions.

Question 30. Which is a matching pair? Dog is to bark as Cat is to _____.

- A. Meow
- B. Roar
- C. Sing
- D. Dance

Answer Key: A. Meow

Explanation: A dog commonly barks, and a cat commonly meows. This is a sound-based matching pair.

Question 31. What comes next in this shape pattern: Yellow square, Blue square, Yellow square, Blue square, Yellow square, _____?

- A. Red square
- B. Blue square
- C. Green square
- D. Orange square

Answer Key: B. Blue square

Explanation: The pattern alternates Yellow square and Blue square. After Yellow square, the next item is Blue square.

Question 32. If an AI robot finds a triangle and then a square, what shape might come next if the pattern repeats?

- A. Circle
- B. Rectangle
- C. Triangle
- D. Hexagon

Answer Key: C. Triangle

Explanation: The repeated pattern is Triangle, Square. After Square, the pattern starts again with Triangle.

Question 33. If you see the number pattern 1, 3, 5, 7, _____, what is the next number?

- A. 8
- B. 9
- C. 10
- D. 11

Answer Key: B. 9

Explanation: The pattern increases by 2 and uses odd numbers. After 7, the next odd number is 9.

Question 34. Which robot would help clean your room?

- A. A vacuum robot
- B. A cooking robot
- C. A music robot
- D. A swimming robot

Answer Key: A. A vacuum robot

Explanation: A vacuum robot is designed to clean floors and rooms, so it is the best match.

Question 35. AI can recognize animals in pictures by...

- A. Smelling them
- B. Seeing their shapes and patterns
- C. Hearing their voices only
- D. Reading about them only

Answer Key: B. Seeing their shapes and patterns

Explanation: AI can use visual features such as shape, color, stripes, spots, and outlines to recognize animals in pictures.

Consolidated Answer Key

Q.No.	Answer	Correct Option	Q.No.	Answer	Correct Option
1	B	Artificial Intelligence	19	C	Fan
2	B	A robot vacuum that cleans on its own	20	A	Wheels and windows
3	B	Data	21	B	Blue square
4	B	A toaster	22	B	Alexa
5	B	Making smarter decisions and helping with tasks	23	C	40
6	A	Google Maps	24	B	People's faces
7	B	Sing and talk with people	25	B	Stripes
8	A	Siri	26	A	4 sides
9	A	Alexa	27	A	Blue square
10	B	Help in factories and homes	28	A	Matching objects
11	B	Circle	29	B	Cameras and AI
12	C	Blue banana	30	A	Meow
13	B	Pictures	31	B	Blue square
14	B	Red	32	C	Triangle
15	B	Camera	33	B	9
16	B	6	34	A	A vacuum robot
17	A	10	35	B	Seeing their shapes and patterns
18	A	Talk			

Learning Review Note

- Students can review each explanation to understand why the correct option works.
- Teachers can use the answer explanations for guided discussion after practice tests.
- Schools can use the paper to introduce early AI literacy through daily-life examples, patterns, and logical reasoning.