



International Artificial Intelligence Olympiad



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Class 5 : Sample Questions

The actual question paper contains 30 questions. The duration of the test paper is 40 minutes.

1. **What is the main purpose of machine learning in AI?**
 - (A) To delete unwanted files automatically
 - (B) To help machines learn and improve from data
 - (C) To copy human handwriting
 - (D) To slow down computer processing
2. **What happens if we give incorrect or messy data to a machine learning system?**
 - (A) The AI becomes faster
 - (B) It might make wrong predictions
 - (C) Training stops automatically
 - (D) The computer slows to half speed
3. **In supervised learning, what is given to the AI system along with the data?**
 - (A) Colourful images
 - (B) A computer password
 - (C) Correct answers or labels
 - (D) Extra memory
4. **Which of the following best compares a neural network?**
 - (A) A dictionary full of stories
 - (B) A backpack with books
 - (C) A musical band playing a tune
 - (D) A brain with many connected neurons
5. **Why is it important to remove mistakes from a dataset before training an AI model?**
 - (A) To make the charts colourful
 - (B) To make the model look nice
 - (C) So the model can learn correctly
 - (D) So the computer can play games
6. **What is the difference between supervised and unsupervised learning?**
 - (A) Supervised learning always fails
 - (B) Unsupervised learning needs electricity
 - (C) Unsupervised learning works only at night
 - (D) Supervised learning has labelled data, unsupervised does not
7. **Which programming feature in Scratch helps characters "learn" or change based on events?**
 - (A) Backdrops
 - (B) Pen tools
 - (C) Conditional blocks (if-else)
 - (D) Music blocks
8. **What does a node in a neural network represent?**
 - (A) A place to rest
 - (B) A connection wire
 - (C) A decision or computation point
 - (D) A hidden computer code
9. **Which of the following is an example of a myth about AI?**
 - (A) AI always makes perfect decisions
 - (B) AI can solve maths problems
 - (C) AI needs good data to work
 - (D) AI can sort images
10. **What is a responsible way to use AI in school projects?**
 - (A) Sharing classmates' information freely
 - (B) Using AI tools without checking sources
 - (C) Letting AI post on social media automatically
 - (D) Making sure data is fair and respectful

SAMPLE QUESTION'S ANSWERS

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 1. (B) | 2. (B) | 3. (C) | 4. (D) | 5. (C) | 6. (D) | 7. (C) | 8. (C) | 9. (A) | 10. (D) |
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