



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL



PERIODIC TEST II 2025-26

ARTIFICIAL INTELLIGENCE (417)

Class : IX
Date :06/11/2025
Admission No.:

Duration : 1 Hrs
Max. Marks : 25
Roll No.:

General Instructions:

Try to attempt all questions as per given order.

All questions are compulsory.

The Question Paper is divided into Three sections Section A to C.

- Section A has 11 questions attempt 11 and carry 1 mark each.
- Section B has 6 questions attempt only 4 and carry 2 marks each.
- Section C has 4 questions attempt only 2 and carry 3 marks each.

Section-A

1. A business that provides intangible products like education, banking, or transport is called a: 1
a) Trading business b) Manufacturing business
c) Service business d) Production business
2. Who is known as an entrepreneur? 1
a) A person who only works for others
b) A person who starts and manages a business
c) A government employee
d) A salaried worker
3. The person who buys goods in bulk and sells them to retailers is known as a: 1
a) Producer b) Wholesaler
c) Entrepreneur d) Manufacturer
4. The main difference between a businessman and an entrepreneur is: 1
a) Businessman copies ideas; entrepreneur innovates
b) Entrepreneur copies ideas; businessman innovates
c) Both are the same
d) Entrepreneur avoids risks
5. Which of the following is an example of conventional AI? 1
a) ChatGPT b) A rule-based chess program
c) Runway ML d) Artbreeder
6. A generative model focuses on: 1
a) Sorting data
b) Generating new samples similar to training data
c) Deleting unnecessary data
d) Counting data entries

7. Which of the following is **not** a type of generative AI model? 1
 a) Generative Adversarial Network (GAN) b) Variational Autoencoder (VAE)
 c) Decision Tree d) Recurrent Neural Network (RNN)
8. The two parts of a GAN are: 1
 a) Encoder and Decoder b) Generator and Discriminator
 c) Input and Output d) Teacher and Student
9. What does an Autoencoder do? 1
 a) It translates between languages
 b) It learns to compress and then reconstruct input data
 c) It deletes unwanted files
 d) It labels data
10. A Recurrent Neural Network (RNN) is most useful for: 1
 a) Images only b) Sequential data like text or speech
 c) Random data d) Static numbers
11. Which of the following best describes the future impact of Generative AI?
 a) It will completely replace humans
 b) It will assist humans in creative and analytical work
 c) It will make learning harder
 d) It will only be used in games

SECTION - B

12. What do you mean by “Feedback in the long run”? 2
13. What do you think is the biggest challenge of an entrepreneur? 2
14. Write any four names of generative AI tools. 2
15. Give two important feature of the popular tool Artbreeder. 2
16. Give two ethical considerations of using generative AI. 2
17. Define Conventional AI. 2

SECTION – C

18. A student develops an AI model using Recurrent Neural Networks (RNNs) to generate new song lyrics. 3
 1. Why is RNN suitable for this type of task?
 2. How does sequential data help in the process?
 3. Give one other example of where RNNs are used.
19. What are Auto encoders? Write any two features. 3
20. Explain any three biasness in generative AI. 3
21. Riya is a digital artist who wants to create unique portraits by blending different art styles and faces using AI tools. 3
 1. Suggest one Generative AI platform she can use.
 2. Explain how this tool helps artists enhance their creativity.
 3. Mention one possible ethical concern when using such a tool.