



BK BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
PERIODIC TEST II (2024-25)
ARTIFICIAL INTELLIGENCE (417)



Class: IX
Date: 03-12-2024
Adm No:

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

NOTE : (i) All questions are compulsory.
(ii) Do as per the instructions given in the questions.

I. Multiple Choice Questions :

(12 X 1 = 12)

- (1) An entrepreneur is a/an
(a) Innovator (b) Risk Taker (c) Both of these (d) None of these
- (2) The process of improving the skills and knowledge of entrepreneurs through various training and classroom programs is called
(a) Entrepreneurship development (b) Planning
(c) Organising (d) None of the above
- (3) Manufactured components or parts are combined together in manufacturing business type :
(a) Analytical (b) Processing (c) Assembling (d) All of the above
- (4) A person who starts an enterprise is :
(a) Manager (b) Organiser (c) Entrepreneur (d) None of these
- (5) Soil is a resource.
(a) Renewable (b) Non-renewable (c) Both of these (d) None of these
- (6) Which fuel should be used in motor vehicles to reduce pollution ?
(a) CNG (b) LPG (c) PNG (d) None of these
- (7) Transition to a green economy is a
(a) Fast and easy process (b) Slow and difficult process
(c) All of these (d) None of these
- (8) An ecosystem consists of
(a) All the living organism in a given area
(b) All the non-living physical and chemical factors of the environment
(c) Both of these (d) None of these
- (9) A method used to enable machines to classify/predict objects, problems or situations based on labelled data fed to the machine is called
(a) Unsupervised learning (b) Supervised learning
(c) Decision Trees (d) None of the above
- (10) Learning based on feedback is called
(a) Unsupervised Learning (b) Supervised Learning
(c) Semi Supervised Learning (d) Reinforcement Learning
- (11) learning mimics the network of neurons in a brain.
(a) Machine (b) Deep
(c) Reinforcement (d) Supervised
- (12) A teacher instructs the students to draw and colour five geometric objects in different colours. The sheets provided by the children are then put into an AI machine which is then sorted,

based on similar shapes and colours. The model is able to predict if the image is a red circle, a green rectangle or a white square, etc. This is an example of

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|---------------------------|----------------------------|
| (a) Neural Networks | (b) Supervised Learning |
| (c) Unsupervised Learning | (d) Reinforcement Learning |

II. Short Answer Type Questions : (Answer any four)

(4 X 2 = 8)

1. Explain any four rewards of an Entrepreneur.
2. Explain any four characteristics of entrepreneurship.
3. Define 'Environment'. Why do we need to conserve natural resources ?
4. Write and explain any four factors which cause imbalance in the environment.
5. Write and explain any two differences between Supervised and Unsupervised learning.
6. What is a Decision Tree ? Write its two advantages.

III. Long Answer Type Questions : (Answer any two)

(2 X 2.5 = 5)

1. Name three different types of Business Activities and explain any two of them with example.
2. Write and explain any six measures to conserve and protect the environment.
3. Differentiate between Machine learning and Deep learning.

***** ALL THE BEST *****