

JK Lakshmipat University Jaipur
INSTITUTE OF MANAGEMENT

End Term Examination, December 2023
BBA, Semester V, 2023-24

Roll No.....

ID1121: INTELLIGENT AUTOMATION

Time: 45 Mins. Max. Marks: 35

Signature of the Invigilator:

Instructions to students:

- This is an open book and open notes exam, however, use of digital resources like mobiles and laptops is not allowed.
- Please **circle** the correct option.
- All questions carry equal marks.

1. _____ kind of neural networks deal with sequential data. (LO1, LO2, LO3)
A. Artificial neural networks
B. Convoluted neural networks
C. Recurrent neural networks
D. None of the given options

2. _____ kind of neural networks deal with images and audios. (LO1, LO2, LO3)
A. Artificial neural networks
B. Convoluted neural networks
C. Recurrent neural networks
D. None of the given options

3. Select the best option for the given statements. (LO1, LO2, LO3, LO4)
I. AI is a subset of ML and deep learning.
II. AI includes approaches such as deep learning, random forests, and Bayesian networks.
III. ML methods are solely based on neural networks.
A. I and II are false, III is true.
B. I and III are false, II is true.
C. II and III are false, I is true.
D. None of the above options.

4. Suppose we have a dataset of different types of shapes which includes square, rectangle, triangle, and Polygon. Now the first step is that we need to train the model for each shape. If the given shape has four sides, and all the sides are equal, then it will be labelled as a Square. If the given shape has three sides, then it will

- be labelled as a triangle. If the given shape has six equal sides, then it will be labelled as hexagon. This is a kind of _____. (LO1, LO2, LO3, LO4)
- A. Reinforcement learning
B. Unsupervised learning
C. Supervised learning
D. None of the above options
5. _____ algorithms are related to maximising 'rewards'. (LO1, LO3)
A. Reinforcement learning
B. Unsupervised learning
C. Supervised learning
D. None of the above options
6. All kinds of _____ algorithms require human input to train and classify the models. (LO1, LO3)
A. Deep Learning
B. Machine Learning
C. Artificial Intelligence
D. None of the above options
7. Clustering can be categorized under _____ kind of machine learning algorithms. (LO1, LO3)
A. Reinforcement learning
B. Unsupervised learning
C. Supervised learning
D. None of the above options
8. _____ is not a factor responsible for rapid advancement of AI. (LO1, LO2, LO3)
A. Availability of cloud
B. Availability of data
C. Availability of algorithms
D. Availability of courses on AI
9. _____ is not a landmark in the journey of AI. (LO1, LO2)
A. Turing test
B. Shakey mobile robot
C. Mobile applications
D. Google's AlphaGo
10. Big data pertains to _____. (LO1, LO2, LO3, LO4)
A. 100,000s to millions of data points
B. Millions to 10s/100s of millions of data points
C. Billions to 10s of billions of data points
D. None of the above options
11. Select the best option for the given statements. (LO1, LO2, LO3, LO4)
I. A machine is a kind of robot.
II. A machine can perform a complex series of tasks automatically.

III. A robot can have both external and internal control.

- A. I and II are true, III is false.
- B. I and III are true, II is false.
- C. II and III are true, I is false.
- D. None of the above options.

12. In Amazon warehouse the order picking robots can also paint and machine if required. (LO1, LO2, LO3, LO4)

- A. True
- B. False

13. Which of the following does not corresponds to RINAC ASRS? (LO1, LO3, LO4)

- A. Vertical speed of 10 to 100m/min
- B. Horizontal speed of 600m to 2km/min
- C. Load weight of 500kg to 2000kg

14. Which of the following are not the advantages of using ASRS? (LO1, LO3, LO4)

- A. Cheaper
- B. Picking accuracy
- C. Improved material handling
- D. Real-time inventory control

15. Identifying counterfeit items and unethical supply chain practices is the advantage of which technology? (LO1, LO2, LO3, LO4)

- A. Configurator
- B. Blockchain
- C. ASRS
- D. CoBots

16. What is common among the startups Locus, Fetch and Berkshire. Identify the most relevant answer? (LO1, LO3, LO4)

- A. They offer CoBots to Amazon
- B. They offer CoBots to Sanofi
- C. They offer ASRS to Amazon
- D. None of the given options

17. Which of the following can be used to enhance and support the work of orthopaedically challenged employees? (LO1, LO4)

- A. ASRS
- B. CoBots

18. Sanofi is using CoBots during _____. (LO1, LO2, LO3, LO4)

- A. Logistics
- B. Machining
- C. Maintenance and Repair
- D. None of the given options

19. Which of the following are the measures considered to avoid an accident between a worker and a CoBot? (LO1, LO2, LO3, LO4)

- A. Rounded edges

- B. Sensors to slow down and cease operations
- C. Machine-learning enabled pattern recognition
- D. All the given options

20. Which of the following is not an application of CoBot? (LO1, LO2, LO3, LO4)

- A. Quality Control
- B. Assembling
- C. Ordering
- D. Dispensing

21. Which of the following can be used to create a safer environment for the workers? (LO1, LO2, LO3, LO4)

- A. ASRS
- B. CoBots
- C. Both ASRS and CoBots
- D. None of the ASRS and CoBots

22. _____ technology can be used to reduce the 'trust-tax'. (LO1, LO3, LO4)

- A. ASRS
- B. CoBots
- C. Blockchain
- D. Configurator

23. Match the following. (LO1, LO2, LO3, LO4)

i) Google	a. IBM cloud
ii) Amazon	b. Google cloud platform
iii) Microsoft	c. AWS
iv) IBM	d. Azure

- A. i)-B; ii)-D; iii)-C; iv)-A
- B. i)-B; ii)-C; iii)-D; iv)-A
- C. i)-D; ii)-B; iii)-A; iv)-C
- D. i)-D; ii)-A; iii)-C; iv)-B

24. _____ is the cloud service provider for Netflix. (LO1, LO3, LO4)

- A. Google
- B. Amazon
- C. Microsoft
- D. IBM

25. Cloud can perform the following tasks _____. (LO1, LO2, LO3, LO4)

- A. Store data
- B. Host web portals
- C. Process data
- D. All the given options

26. _____ technology supports implementation of circular economy, due its tracing capability. (LO1, LO2, LO3, LO4)

- A. ASRS
- B. CoBots
- C. Blockchain
- D. Configurator

27. _____ is not an advantage of cloud computing. (LO1, LO2, LO4)

- A. Scalability
- B. Customization
- C. Downtime
- D. Cheaper

28. _____ kind of cloud platforms are more applicable for end users. (LO1, LO4)

- A. SAAS
- B. IAAS
- C. PAAS
- D. None of the given options

29. _____ is not a PAAS provider. (LO1, LO2, LO3)

- A. Heroku
- B. Rockspace
- C. Force.com
- D. Magento

29. Due to its web delivery model, _____ eliminates the need to have IT staff download and install applications on each individual computer. Moreover, vendors manage all potential technical issues, such as data, middleware, servers, and storage, resulting in streamlined maintenance and support for the business. Identify the correct option. (LO1, LO2, LO3, LO4)

- A. IAAS
- B. PAAS
- C. SAAS

30. The _____ technology has been programmed to identify the flowers and the fruits of strawberries; facilitating more efficient pollination when it identifies a flower and selecting the fruit once it has ripened. Identify the correct option. (LO1, LO2, LO3, LO4)

- A. Cloud Computing
- B. ASRS
- C. CoBots
- D. Configurations

31. A new company plans to evaluate the data regarding placement of items within its storehouse. Identify the order in which you would the company to use the following technologies- ASRS, Cloud Computing, Data Analysis. (LO1, LO2, LO3, LO4)

- A. ASRS → Cloud Computing → Data Analysis

- B. Cloud Computing → ASRS → Data Analysis
- C. Data Analysis → ASRS → Cloud Computing

32. Which of the following does not pertain to smart contracts? (LO1, LO2, LO3, LO4)

- A. Stakeholders can easily modify the stored information
- B. Transparent
- C. Reliable
- D. Traceable

33. Make-your-own-burger/pizza can be considered as physical form of a web-based or an app-based configurator. (LO1, LO2, LO3, LO4)

- A. False
- B. True

34. _____ technology is relevant with “learning by doing” from a customer’s perspective. (LO1, LO2, LO3, LO4)

- A. CoBots
- B. Blockchain
- C. ASRS
- D. Configurator

35. Which of the following is not an advantage of a configurator? (LO1, LO2, LO3, LO4)

- A. Belongingness towards product
- B. Idea regarding product price
- C. Reducing product returns
- D. None of the given options