

Code:: 21P61602

SR21

SET-1

SRINIVASA INSTITUTE OF ENGINEERING AND TECHNOLOGY

UGC – Autonomous Institution

III B.Tech II Semester I MID Examinations, FEBRUARY – 2025

DEEP LEARNING

AIML

Time : 20 Mins	Max. Marks: 20			Date: 24-02.2025
Roll No:	Sign of the Student:			Marks Obtained:
Name:	Sign of invigilator:			Sign of Valuator:
CO	CO 1	CO 2	CO 3	Marks Obtained:
UNIT	I	II	III	Total Marks

1. What is Artificial Intelligence (AI)?

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- a) The ability of machines to perform tasks that typically require human intelligence
- b) The study of human intelligence
- c) The development of robots that can do physical labor
- d) The creation of software programs that can play games

2. Which of the following is NOT a typical AI task?

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- a) Recognizing speech b) Understanding language
- c) Solving problems d) Digging a hole

3. How do AI systems work?

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- a) By following a set of pre-programmed rules
- b) By processing large amounts of data and finding patterns
- c) By using magic
- d) By mimicking the human brain exactly

4. What is machine learning?

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- a) A type of AI that allows machines to learn from data
- b) A type of AI that focuses on creating robots
- c) A type of AI that can only perform simple tasks
- d) A type of AI that is only used in research labs

5. Which of the following is an example of AI in everyday life?

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- a) A calculator b) A microwave oven c) A self-driving car d) A bicycle

6. What is the Turing Test? []

- a) A test to see if a machine can perform complex calculations
- b) A test to see if a machine can exhibit human-like intelligence
- c) A test to see if a machine can learn from data
- d) A test to see if a machine can recognize objects

7. When was the term "Artificial Intelligence" coined? []

- a) 1940s b) 1950s c) 1960s d) 1970s

8. What was the "AI Winter"? []

- a) A period of rapid progress in AI research
- b) A period of reduced funding and skepticism towards AI
- c) A period when AI was first discovered
- d) A period when AI was banned

9. What is Deep Learning? []

- a) A type of AI that uses rule-based systems
- b) A type of AI that uses machine learning with neural networks
- c) A type of AI that can only solve simple problems
- d) A type of AI that is still in its early stages

10. Which of the following is NOT a real-world application of AI? []

- a) Self-driving cars b) Voice assistants c) Teleportation d) Medical diagnosis

11. What is the core concept behind Deep Learning? []

- a) Mimicking the human brain's neural networks
- b) Using complex mathematical formulas
- c) Relying on pre-programmed rules
- d) Analyzing small datasets

12. What is an artificial neural network (ANN)? []

- a) A computer program that can play chess
- b) A network of interconnected nodes (neurons) that process and learn from data
- c) A type of robot that can perform physical tasks
- d) A software program that can translate languages

13. What is the purpose of hidden layers in a deep neural network? []

- a) To store input data
- b) To display output results
- c) To perform intermediate computations and learn complex patterns
- d) To connect the input and output layers directly

14. Which of the following is NOT a typical application of Deep Learning? []

- a) Image recognition
- b) Natural language processing
- c) Simple calculations
- d) Reinforcement learning

15. What is the main advantage of Deep Learning over traditional Machine Learning? []

- a) It requires less data
- b) It is less complex
- c) It can handle more complex tasks and learn from unstructured data
- d) It is easier to interpret

16. Which type of Deep Learning network is best suited for image recognition? []

- a) Recurrent Neural Network (RNN)
- b) Convolutional Neural Network (CNN)
- c) Feedforward Neural Network (FNN)
- d) Autoencoder

17. Which type of Deep Learning network is best suited for sequential data like text or speech? []

- a) Recurrent Neural Network (RNN)
- b) Convolutional Neural Network (CNN)
- c) Feedforward Neural Network (FNN)
- d) Autoencoder

18. What is the purpose of a Generative Adversarial Network (GAN)? []

- a) To classify images b) To translate languages
- c) To generate new, realistic data d) To compress data

19. What is the purpose of an autoencoder? []

- a) To classify data b) To generate new data
- c) To compress and reconstruct data d) To control robots

20. What is a key difference between Machine Learning and Deep Learning? []

- a) Machine Learning uses neural networks, while Deep Learning does not
- b) Deep Learning requires larger datasets and more computational power
- c) Machine Learning is better suited for complex tasks
- d) Deep Learning is easier to interpret