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**B.M.S COLLEGE FOR WOMEN, AUTONOMOUS
BENGALURU – 560004
SEMESTER END EXAMINATION – MARCH/APRIL- 2023**

Skill Enhancement Course – III Semester

**ARTIFICIAL INTELLIGENCE
(NEP Scheme 2021-22 onwards)**

Course Code: SEC3SB03B

Duration: 1 hours

QP Code: 3402

Max Marks: 30

Choose the appropriate answer.

(30x1=30)

1. What is the full form of “AI”?
 - a. Artificially Intelligent
 - b. Artificial Intelligence
 - c. Artificially Intelligence
 - d. Advanced Intelligence
2. Artificial Intelligence is about _____.
 - a. Playing a game on Computer
 - b. Making a machine Intelligent
 - c. Programming on Machine with your Own Intelligence
 - d. Putting your intelligence in Machine
3. Who is known as the “Father of AI”?
 - a. Fisher Ada
 - b. Alan Turing
 - c. John McCarthy
 - d. Allen Newell
4. In which university the first demonstration of AI program run?
 - a. Carnegie Mellon University.
 - b. Oxford University
 - c. Cambridge University
 - d. Stanford University
5. Which of the following is the branch of Artificial Intelligence?
 - a. Machine Learning
 - b. Cyber forensics
 - c. Full-Stack Developer

d. Network Design

6. AI helps in creating applications for :
 - a. Expert Systems
 - b. Gaming
 - c. Computer Vision Systems
 - d. All of the above
7. What is the goal of Artificial Intelligence?
 - a. To solve artificial problems
 - b. To extract scientific causes
 - c. To explain various sorts of intelligence
 - d. To solve real-world problems
8. Which of the following is an application of Artificial Intelligence?
 - a. It helps to exploit vulnerabilities to secure the firm
 - b. Language understanding and problem-solving (Text analytics and NLP)
 - c. Creating website
 - d. Cloud Deployment
9. Which of the following is an advantage of artificial intelligence?
 - a. Reduces the time taken to solve the problem
 - b. Helps in providing security
 - c. Have the ability to think hence makes the work easier
 - d. All of the above
10. Based on which of the following parameter Artificial Intelligence is categorized?
 - a. Based on functionally only
 - b. Based on capabilities only
 - c. Based on capabilities and functionally
 - d. It is not categorized
11. Which of the following is a component of Artificial Intelligence?
 - a. Learning
 - b. Training
 - c. Designing
 - d. Puzzling
12. Which of the following is not an application of artificial intelligence?
 - a. Face recognition system
 - b. Chatbots
 - c. LIDAR
 - d. DBMS
13. Which of the following are the approaches to Artificial Intelligence?
 - a. Applied approach
 - b. Strong approach
 - c. Weak approach
 - d. All of the mentioned

14. Computer Vision is an area of AI that deals with_____
 - a. Computer Graphics
 - b. Visual Representation
 - c. Visual Processing
 - d. All of the above

15. The common tasks of Computer Vision are
 - a. Image Classification
 - b. Object Detection
 - c. Image Analysis
 - d. Face Detection
 - e. All of the above

16. Natural Language Processing is _____
 - a. Reading language naturally
 - b. Helps in analyze interpret text in the document
 - c. Converts text to string
 - d. None of the above

17. The various challenges and risk in AI are:
 - a. Bias, Data Exposure, Exposure of data
 - b. Unbiased, with no exposure of data
 - c. No AI based decisions
 - d. None of the above

18. The points covered under the Responsible AI?
 - a. Fairness, reliability, safety, transparency and accountability
 - b. Unfair, bias, transparency and unreliability
 - c. Unsafe and unreliable practices
 - d. None of the above

19. What is Machine Learning?
 - a. Learning for machines
 - b. A software to make predictions
 - c. It is a technique that uses mathematics and statistics to create a model that can predict unknown values
 - d. None of the above

20. What are the types of Machine Learning Algorithms?
 - a. Supervision, Unsupervision
 - b. Supervised, Unsupervised, Semi-supervised and Reinforcement Learning
 - c. Unsupervised and Vision based algorithms
 - d. All of the above.

21. The two types of Supervised Learning are:
 - a. Regression and Clustering
 - b. Regression and Classification
 - c. Regression, Classification and Clustering
 - d. All of the above

22. Unsupervised Learning has dataset that are _____
- Unlabeled data
 - Labeled data
 - Semi-labeled data
 - None of the above
23. An automobile dealership wants to use historic car sales data to train a machine learning model. The model should predict the price of a pre-owned car based on its make, model, engine size, and mileage. What kind of machine learning model should the dealership use automated machine learning to create?
- Classification
 - Regression
 - Time series forecasting
 - None of the above
24. What are steps in Machine Learning process?
- Prepare and deploy
 - Prepare, train and deploy
 - Prepare, evaluate and deploy
 - Prepare, train, evaluate and deploy
25. Potential uses of computer vision are:
- Content Organization
 - Text Extraction
 - Spatial Analysis
 - All of the above
26. If a robot is able to change its own trajectory as per the external conditions, then the robot is considered as the _____
- Mobile
 - Non-Servo
 - Open Loop
 - Intelligent
27. Ways to achieve AI in real-life are _____.
- Machine Learning
 - Deep Learning
 - Both a & b
 - None of the above
27. A major thrust of AI is in the development of computer functions associated with human intelligence.
- TRUE
 - FALSE
 - AI is not associated with human intelligence
 - None of the Above
28. What is Anomaly detection?
- The capability to automatically detect errors or unusual activity in a system
 - Capability to identify objects
 - Capability to detect the objects
 - None of the above

29. Which of the following are the 5 big ideas of AI?
- a. Perception
 - b. Representation and Reasoning
 - c. Human-AI Interaction
 - d. Societal Impact
 - e. All of the above
30. Which particular generation of computers is associated with artificial intelligence?
- a. Second
 - b. Fourth
 - c. Fifth
 - d. Third

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