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| Register Number:Date: 22-12-2022 (9AM) |

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| **ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27** |
| **III SEMESTER-Skill Enhancement Compulsory Course(SECC)** |
| **SEMESTER EXAMINATION: OCTOBER 2022****(Examination conducted in the month of December)****Artificial Intelligence****SET B** |
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| **Time- 1 hrs.** |  |  **Max Marks-30** |
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**Answer all the questions. Each carries one mark.**

1. Who is known as the inventor of Artificial Intelligence?

 A) Charles Babbage B) John McCarthy C) Alan Turing D) Andrew Ng

 2. The meaning of Artificial Intelligence is

A) Artificial intelligence is defined as a field aiming to make humans more intelligent.

B) Artificial intelligence is defined as a field aiming to improve security.

C) Artificial intelligence is defined as a field aiming to mine the data.

D) Artificial intelligence is defined as a field aiming to develop intelligent machines.

 3 Which is considered the branch of Artificial Intelligence?

1. Cyber Forensics B) Machine Learning C) Network Design D) Full-stack Developer

4. Blind Search is used for which of the mentioned situations?

1. Advanced Game Theory B) Real-life Simulation C) Small Search Space

 D) None of the above

 5. In case a machine is capable of changing its course of action based on the external environment without any external help then the machine is called \_\_\_\_.

1. Intelligent  B) Mobile C) Both A and B D) None of the above

6. The main aim of Artificial Intelligence is

1. To solve real-world issues
2. To explain different sorts of intelligence
3. To solve artificial problems
4. To obtain information about scientific causes

7. Artificial Intelligence is classified into \_\_\_\_ category processes.

 A) 2 B) 5 C) 3 D) 4

8. \_\_\_\_ is the common language for AI.

 A) Lisp B) Python C) PHP D) Java

. 9.\_\_\_\_ is not an application of AI.

 A) Database Management System B) Digital Assistants

 C) Natural language processing  D) Computer Vision

 10. \_\_\_\_ is the informed search method.

 A) Memory Bound Heuristic Search B) A \* Search

 C) Best First Search  D) All of the above

11. \_\_\_\_ is connected to the type/types of artificial intelligence agent.

1. Simple Reflex AI Agent B) Learning AI agent  C) Goal-Based AI Agent

D) All of the above

12. \_\_\_\_ is a ingredient of AI.

1. Training B) Designing C) Learning  D) Puzzling

13. On which approach the face recognition system is based?

 A) Weak AI Approach B) Cognitive AI Approach C) Strong AI Approach

 D) Applied AI Approach

14. The recognition system in AI is \_\_\_\_\_\_\_\_types.

1. 3 B) 1 C) 5 D) 4

 15. \_\_\_\_ was originally called ‘the Imitation game’.

1. The Turning Test B) LISP C) The Halting Problem D) None of the above

16. AI agent can interact with its environment by implementing \_\_\_\_.

A) only perceivers B) only sensors C) sensors and perceivers D) None of the above

17. There are \_\_\_\_ types of observing environments?

 A) 4 B) 3 C) 2 D) 0

18 \_\_\_\_ are the integration/integrations for Artificial Intelligence Agent.

A) Only Program B) Only Architecture C) Both Program and Architecture D) None of the above

19. How many V’s are present in the Big Data?

 A) 3 B) 4 C) 5 D) 6

20. Data in a Relational Database is:

 A) Structured B) Un-Structured C) Semi Structured D) Meta Data

21. What is the overall percentage of the world’s total data created within the past
 two years is:
 A) 81% B) 85% C) 90% D) 83%

22. What are the main components present in the Big Data Analytics?
 A) MapReduce B) HDFS C) YARN D) All of the above

23. What are the major benefits of Big Data Processing?
 A) Businesses can utilize outside B) intelligence while taking decisions
 C) Improved customer service D) All the above

24. The Hadoop is coded in \_\_\_\_\_\_\_ programming language.
 A) C B) C++ C) Java D) Python

25. Which of the following option given are NOT related to the big data problem(s)?
 A) Parsing 5 MB XML file every 2 minutes B) Processing the twitter data
 C) Processing online banking D)both (a) and (c)

26. What does the characteristics “Velocity” in Big Data represents?
 A) Speed of input data generation B) Speed of individual machine processing
 C) Speed of ONLY storing data D) Speed of storing and processing data

27. Which of the following are example(s) of Real Time Big Data Processing?
 A) Complex Event Processing (CEP) platforms B) Stock market data analysis
 C) Bank fraud transactions detection D) both (A) and (C)

28. The core idea to develop AI is making machines and alogrithms to

1. functions like anything B) perform computation tasks and functions like human brain

C) perform only arithmatic tasks D) perform logical comparisons only

29. The purpose of Machine Learning is recognize human’s face

1. think through the algorithm and execute the task
2. enable machines to learn by themselves using provided data
3. trained with huge amount of data

30. The one which is most advanced from of AI is

1. Neural Network B) Machine Learning C) Data Science D)Deep Learning

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