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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** | | | | | |
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| **Time- 1 hrs.** | |  | **Max Marks-30** | |
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**Answer all the questions. Each carries one mark.**

1.\_\_\_\_\_\_\_\_\_\_\_ are formed with an intent of accomplishing jobs which either too tedious for

humans or are time-consuming.

1. Machines B) Gadgets C) Equipment D) Tools

2. \_\_\_\_\_\_\_\_\_\_\_\_ refers to man-made does not occur naturally.

A) Intelligence B) Artificial C) Natural D) Native

3. \_\_\_\_\_\_\_\_\_\_ refers to the Capability to perceive or infer information, and to retain it as knowledge to be applied toward adaptive behaviors within an environment or context.

1. Behaviour B) Nature C) Habits D) Intelligence

4. Ms. Rashika is intelligent in performing mathematical and logical reasoning. This performance is refered as

A) Lingustic Intelligence B) Spatial Visual Intelligence C) Mathematical Intelligence

D) Existential Intelligence

5. Mr. Arjun is excellent in publishing news on blog. This ability refers to

1. Lingustic Intelligence B) Spatial Visual Intelligence C) Mathematical Intelligence
   1. Existential Intelligence

6. Speech recognition, Image recognition and ability to take action are example of

1. to percieve, understand and act B)reasoning and planning C) learning and adaption
   1. none of these

7 \_\_\_\_\_\_\_\_\_\_\_\_ includes our past experience, intution, knowledge and self awareness

1. habits B) behavior C) information D) nature

8 When a machine possesses the ability to mimic human traits like make decisions, predict the future, learn and improve on its own said to have

1. Informative Intelligence B) Knowledge Intelligence C) Artificial Intelligence

D) Emotional Intelligence

9. The Machine is said to be intelligent if,

1. it collects data B) it understands data C) it analyses data D) all of the above

10. Machines are made intelligent once they are

1. trained B) started C) installed D) turned off

11. In AI based machines which of following task is important?

1. Doing B) trainingC)sorting D) analyzing

12. AI systems are made up of

1. machines, hardware and software B) only software C) only hardware

D) only machine

13. 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

14 The purpose of Machine Learning is

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

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

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

16. Artificial Intelligence is all about\_\_\_\_\_

1. Making a machine Intelligent
2. Programming on Machine with your Own Intelligence
3. Putting your intelligence in Machine
4. Playing a game on the Computer

17. The purpose of Artificial Intelligence is/are

* 1. Expert Systems B) Gaming C) Vision Systems D) All of the above

18. Complete Artificial Intelligence (AI) is

1. The embodiment of human intellectual capabilities within a computer
2. A set of Software programs that produce output that would be considered to reflect intelligence if it were generated by humans
3. The study of mental faculties through the use of mental models implemented on a computer
4. All of the mentioned

19. Who is known as the father of Artificial Intelligence?

1. Doug Cutting B) John McCarthy C) William S D) Rasmus Lerdorf

20. Which search method takes less memory?

1. Breadth-First search B) Optimal search C) Linear Search D) Depth-First Search

21. The one which is NOT strong AI is

1. A set of computer programs that produce output that would be considered to reflect intelligence if it were generated by humans
2. The study of mental faculties through the use of mental models implemented on a computer
3. The embodiment of human intellectual capabilities within a computer
4. All of the above

22. If a robot can modify its own trajectory in response to external conditions, it is considered to be

1. Mobile B) intelligent C) open loop D) non-servo

23 There are two types of observing environments and these are Fully and Partial environments.

1. TRUE B) FALSE

24 \_\_\_\_ are the compositions for Artificial Intelligence Agents.

1. Only Program B) Only Architecture C) Both Program and Architecture

D) None of the above

25. \_\_\_\_ is an example of an Artificial Intelligence Agent.

A) Human B) Autonomous spacecraft C) Robot  D) All of the above

 26 \_\_\_ is considered the expansion of Artificial intelligence applications

A) Planning and Scheduling B) Diagnosis C) Game Playing  D) All of the above

27.\_\_\_\_ environment is considered strategic.

A) Partial  B) Stochastic C) Deterministic D) Rational

28 Which of the following is the function of an AI Agent?

1. To map the percept sequence to an action
2. To map the goal sequence to an action
3. To work without direct interference from any external factor like humans
4. To map the environment sequence to an action

29. Big Data is generally characterized by three Vs which means------, ------- and --------.

A) Volume, Viscosity, Variety B) Varieity, Velocity, Vivid

C) Viscosity, Volume, Velocity D) Volume, Variety and Velocity

30. Which of the following statement/s is/are true?

A) Facebook has the world’s largest Hadoop cluster.

B) Hadoop 2.0 allows live stream processing of real time data

C) Neither A or B

D) Both A nnd B