



B.K. BIRLA CENTRE FOR EDUCATION

**SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL**



**TERM-1 EXAMINATION (2025-26)
ARTIFICIAL INTELLIGENCE**

Class: VII

Date: 15-09-2025

Admission No.

Time : 2 hrs.

Max Marks: 50

Roll No. :.....

I. Multiple Choice Questions : (Answer any 12) (12 X 1 = 12)

- (1) Which type of intelligence is related to the ability to understand and create music ?
(a) Linguistic intelligence (b) Logical mathematical intelligence
(c) Musical intelligence (d) Bodily kinesthetic intelligence
- (2) Which type of intelligence is related to the ability to understand and interact with the natural world ?
(a) Linguistic intelligence (b) Logical mathematical intelligence
(c) Musical intelligence (d) Naturalistic intelligence
- (3) Who coined the term Artificial Intelligence ?
(a) Alan Turing (b) Claude Shannon
(c) John McCarthy (d) Cynthia Brezeal
- (4)is a free PowerPoint plug-in that develops subtitles in real time of what the teacher is saying.
(a) Open office Translator (b) Microsoft Translator
(c) Presentation Translator (d) Powerpoint Translator
- (5) Which one of the following is an artificial intelligence software, a robot writer?
(a) JACK (b) WASP (c) Sophia (d) Penny
- (6) How much time does it take for radio waves to cover the distance from Earth to Mars?
(a) 2 minutes (b) 10 minutes (c) 22 minutes (d) None of the above
- (7) What is meant by "AI bias" ?
(a) The tendency of AI systems to favour certain groups or individuals over others
(b) The fact that AI systems are often not programmed with human values
(c) The difficulty of ensuring that AI systems are fair and impartial
(d) All of the above
- (8) is AI generated video or audio content with an intent to deceive.
(a) Google Meet (b) Zoom (c) Meet Fake (d) Deep Fake
- (9) is based on well-founded standards of right and wrong that prescribe what humans ought to do, usually in terms of rights, obligations, benefits to society, fairness or specific virtues.
(a) Morals (b) Ethics (c) Rights (d) Virtues
- (10) is an app, where any textbook can be turned into a smart study guide.
(a) Cram101 (b) Cram001 (c) Ram101 (d) Cram102
- (11) It was found that the facial recognition software employed by tech giants IBM, Microsoft and Google struggled in detecting :
(a) The faces of animals (b) The faces of white men

- (c) The faces of black women (d) The faces of primates
- (12) To be called a robot, a system should be able to do one or all of the following.
- (a) Move around (b) Sense the environment
- (c) Display intelligent behaviour (d) Move using wheels
- (13) is the first robot to use artificial intelligence.
- (a) Sophia (b) Vayuputra (c) Shakey (d) ASIMO
- (14) are a type of mobile robot which use articulated limbs, such as leg mechanism, to provide locomotion.
- (a) Legged Robots (b) Hilly Robots (c) Tracked Robots (d) Bio inspired Robots
- (15) An is a robot that travels underwater without requiring continuous input from an operator.
- (a) Unmanned water vehicle (b) Unmanned ground vehicle
- (c) Unmanned underwater vehicle (d) Autonomous underwater vehicle

II. Fill in the blanks : (Answer any 10)

(10 X 1 = 10)

- (1) No are present in an AI system.
- (2) The ability to learn or understand or to deal with new or trying situations is called
- (3) systems can be trained using large volumes of data such as images, videos and text to identify and analyse objects and language.
- (4) TAY is an artificial intelligence chatter bot and is named “Tay” after the acronym.....
- (5) An Uber self-driving SUV struck and killed a in Tempe, Arizona.
- (6) Dominos is working on a robotic unit, called, which will deliver foods and drinks via the best optimized path..
- (7) technology allows you to try on dresses without actually putting them on.
- (8) is a humanoid robot that talks, moves and teaches children everything from literacy to computer programming.
- (9) is an autonomous robot vacuum cleaner that cleans while avoiding obstacles.
- (10) A humanoid robot called was created by Hanson Robotics.
- (11) Legendary science fiction writer Isaac Asimov wrote the story “Liar!” in which he describes the laws of Robotics.
- (12) A refers to any aerial vehicle that receives remote commands from a pilot or relies on software for autonomous flight.

III. Write full form of the following : (Answer any 2)

(2 X 1 = 2)

- (a) UGV (b) AUV (c) UUV

IV. Short Answer Type Questions : (Answer any 7)

(7 X 2 = 14)

- (1) Write two definitions of Artificial Intelligence.
- (2) What are self-driving cars ? Explain.
- (3) Why did the AI chat bot by Microsoft close down after some hours of operation ?
- (4) Define Ethics and its importance.
- (5) Explain the future of AI in Entertainment.
- (6) How is Dominos using AI in retail ?
- (7) Define Robotics.
- (8) List the various generations of Robots and explain any one.
- (9) Define Aerial robots ? List its types.
- (10) Describe the various types of underwater robots.

IV. Long Answer Type Questions : (Answer any 4)

(4 X 3 = 12)

- (1) Write two advantages and disadvantages of Artificial Intelligence.
- (2) Discuss the use of artificial intelligence in the field of :
 - (a) Transport
 - (b) Education
 - (c) Sports
- (3) A hospital shares the details of the patients with an insurance company. Do you think it is ethical? Why/Why Not?
- (4) Describe the robot Nao, a humanoid robot.
- (5) Explain the three laws of Robotics.
- (6) Differentiate between manual and automatic robots.

***** ALL THE BEST *****