BK BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
POST MID TERM EXAM (2024-25)
ARTIFICIAL INTELLIGENCE

Class: VI   **Duration: 1 hr.**
Date: 11-01-2025   **Max Marks: 25**
Adm No: ……………………………   **Roll No. :**

MARKING SCHEME

I. Multiple Choice Questions :   **(8 X 1 = 8)**

(1) Which one of the following is susceptible to radiation and infection ?

   (a) Human   (b) Robots   (c) Both a and b   (d) None of these

(2) Robot is derived from Czech word ………………….

   (a) Rabota   **(b) Robota**   (c) Rebota   (d) Ribota

(3) Robot is a ……………………

   (a) Multi functional manipulator   (b) Programmable

   (c) Both a and b   (d) None of these

(4) ………………… introduced the word Robot.

   (a) Karel Capek   (b) Isaac Asimov   (c) Karl Capek   (d) Isaac Asimo

(5) ……………….. is a type of cybercrime that uses the internet and technology to harass or stalk a person.

   (a) Cyber Harassing   (b) Cyber Targeting   **(c) Cyberstalking**   (d) Cyberbullying

(6) …………… is when someone uses your personal data to impersonate you, typically to steal from you.

   (a) Cyberstalking   (b) Cyberbullying   **(c) Identity Theft**   (d) Spoofing

(7) The short form of malicious software is ………………..

   (a) Malware   (b) Malsoft   (c) Maliware   (d) Malisoft

(8) ………………… opens web browser in such a way that it will not track your activities on the internet.

   (a) Proxy   (b) VPN   **(c) Incognito browsing**   (d) Safe Browsing

II. Write True or False :   **(4 X 1 = 4)**

   (1) True.

   (2) True.

   (3) False

   (4) True.

III. Short Answer Type Questions :   **(4 X 2 = 8)**

(1) What is a Robot ? Write and explain any two characteristics of a Robot.

Ans. : A computerized device that can react to information from its environment or from humans is referred to as a robot.

Sensors :

Movement : a robot must be able to navigate its surroundings.

Energy : a robot must be self sufficient in terms of energy.

Perception :

Cognition :

Low level control :

(2) Write and explain at least two advantages and disadvantages each of a Robot.

Ans. :

Advantages :

Cost effectiveness :

Increased productivity ;

Better quality assurance :

Workforce motivation

Robots are incapable of getting bored at work.

Robots are teleoperated

Disadvantages :

Potential job losses

Hiring skilled personnel

Over dependence on technology

Investment prices

Lack of analytical skills

Safety concerns

Robots cannot improvise.

Health issues may arise

(3) Name and explain any four types of cybercrimes.

Ans. :

Cyberbullying : It is the use of technology to harass, threaten, embarrass or target another person.

Cyberstalking :

Phishing :

Identity Theft : Identity theft is when someone illegally poses as you. It is when someone uses your personal data to impersonate you.

(4) Differentiate between Incognito Browsing and Proxy.

Ans. :

Incognito browsing and Proxy : Incognito browsing opens web browser in such a way that it will not track your activities on the internet. Proxy is a computer on a network that acts as computer middle man between your computer and the website.

IV. Long Answer Type Questions :   **(2 X 2.5 = 5)**

(1) Differentiate between a Robot and a Machine.

Ans. :

	Robots	Machine
Anatomy	It don't require human intervention	It require human control
Sensory Input	It has several sensory parts	It don't have
Design and Development	It is more difficult	Not so difficult
Software	It require software to work	No software is required

(2) Explain five security measures that can help protect against cyber crime?

Ans. :

Strong password should be used.

Use antivirus programmes to keep the system free of malware.
Try to avoid opening websites which are not secure.
Don't provide your personal information to any unknown person.
Don't download software or other files from every website.
Continuously update the system
Be vigilant to avoid identity thefts
Maintain privacy settings over social media.

<div align="center">

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

</div>