B.K. BIRLA CENTRE FOR EDUCATION

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

NABET

INDIAN PUBLIC SCHOOLS' CONFERENCE

POST MID TERM EXAM: 2025-26
ARTIFICIAL INTELLIGENCE

Class: VII   **Time : 1 hr.**
Date: 12-01-2026   **Max Marks: 25**
Admission No. ……………………   **Roll No. :………..**

MARKING SCHEME

I. Multiple Choice Questions :   (11 X 1 = 11)

(1) Which tag is used to create an image in HTML ?

    (a) <img>   (b)<src>   (c) <picture>   (d) <video>

(2) How to create an ordered list in HTML ?

    (a) Use the <ol> and tags   (b) Use the <ul> and tags

    (c) Use the <li> tag only   (d) Use all of the above

(3) Which attribute is used to specify the alternate text for an image in HTML ?

    (a) <alt>   (b) <title>   (c) <desc>   (d) <summary>

(4) Which HTML tag is used to create a list item ?

    (a)   (b)   (c) <dl>   **(d) **

(5) Which HTML attribute is used to specify the source URL of an image ?

    (a) <img>   **(b) <src>**   (c) <alt>   (d) None of these

(6) Which of the following is not a valid image format for the <img> tag ?

    (a) JPEG (.jpg, .jpeg)   (b) PNG (.png)

    (c) GIF (.gif)   **(d) TXT (.txt)**

(7) ………………….. is the practice of receiving unwanted commercial messages by email, SMS, MMS or any other similar electronic messaging platform.

    (a) Spamming   (b) Pharming   (c) Vishing   (d) Cryptojacking

(8) How do computer viruses spread ?

    (a) Through email attachments   (b) Through infected websites

    (c) Through infected USB drives and other removable media

    (d) All of the above

(9) What are the symptoms of a computer virus infection ?

    (a) Slow performance, frequent crashes and error messages

    (b) Pop-ups, unwanted advertisements and changes to the computer's settings

    (c) Loss of personal information, financial fraud and identity theft

    (d) All of the above

(10) Which worm hit in 2007, which made the compromised machines send over 1.2 billion emails, spreading the infection ?

    (a) Wazzo   (b) Zango   (c) Storm   **(d) W97M**

(11) When scammers are able to use a registered mobile number to illegally obtain a new SIM card through the mobile service provider, it is known as ………….

    (a) Credit card fraud   (b) Spamming   **(c) SIM Swap Scam**   (d) None of these

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

(1) Name and explain the various attributes of <UL> tag.

Ans. : The various attributes of <UL> tags are

Circle

Disc

Square

(2) What is the <img> tag used for ? Explain.

Ans. : <img> tag comes with src and is used for inserting image in the webpage.

Example

<img height="100" width="200" src="location of the image">

It is an empty tag.

(3) How is a hacker different from a cracker ?

Ans. : Hacker

- **Definition**: A hacker is an individual skilled in computer programming, systems, and networks, who explores and manipulates software or hardware, typically with the intent of understanding or improving it.

  Their focus is often on exploration and challenge rather than causing harm.

Cracker

- **Definition**: A cracker is someone who intentionally breaks into systems, bypasses security measures, with the goal of causing damage, stealing data, or achieving other malicious objectives.

(4) While working on the computer you notice that the System is working very slowly, files are corrupted default home page on the web browser has changed, lot of memory is consumed, and unnecessary pop-ups are coming. What can be the probable reason?

Ans. :

☐ **Symptoms**: Unnecessary pop-ups, changes to the home page on web browsers, and increased system memory usage.

☐ **Cause**: Adware is a type of malware that displays unwanted advertisements, often changing settings in web browsers and consuming system resources.

☐ **Symptoms**: System slowdown, file corruption, and unauthorized changes to settings.

☐ **Cause**: Spyware secretly monitors and collects data about your activities without your consent, sometimes leading to file corruption and performance issues.

IV. Long Answer Type Questions :   (2 X 3 = 6)

(1) What is the difference between an ordered list and unordered list ? Explain with example.

Ans. : Ordered list is the numbered list. It is written within in <OL> tag.

It has 4 attributes i.e 1,A,a, and i.

Example

<ol type="1">

AI

Science

Maths

 SST

Unordered list is used to display the list in unordered form i.e bullet,disc and Square.

Example

<ul type="circle>

 AI

Science

Maths

SST

(2) You have very important data on your computer. How will you ensure that this data remains safe? Explain any three points.

Ans. :
- **Backup Regularly**: Use external drives or cloud storage to create regular backups of critical data. This ensures that even if the computer is damaged or compromised, the data can be recovered.
- **Use Strong Passwords**: Ensure that the computer and all accounts require strong, unique passwords. Consider using a password manager to keep track of complex passwords.
- **Install Antivirus Software**: Keep antivirus software up to date to protect the computer from malware, viruses, and other threats that could compromise data security.
- **Limit Access**: Use user account controls and restrict access to sensitive data. Only allow trusted individuals to access the computer.
- **Avoid Public Networks**: Avoid accessing sensitive data over public Wi-Fi. If necessary, use a Virtual Private Network (VPN) for secure access.

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