



BK BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
PERIODIC TEST - II (2024-25)
ARTIFICIAL INTELLIGENCE



Class: VII

Date:

Name:

MARKING SCHEME

Duration: 1 Hour

Max Marks: 25

Adm. No. :

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of 18 questions in two sections: Section A, B & Section C.
3. Section A has Objective type questions whereas Section B contains short questions Section C contains long questions.
4. All questions of a particular section must be attempted in the correct order.
5. **SECTION A - OBJECTIVE TYPE QUESTIONS (12 MARKS):**
 - i. This section has 12 questions.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking.
 - iv. Do as per the instructions given.
6. **SECTION B – SHORT QUESTIONS (8 MARKS):**
 - i. This section has 4 questions.
 - ii. Do as per the instructions given.
 - iii. Marks allotted are mentioned against each question/part.
7. **SECTION C – LONG QUESTIONS (5 MARKS):**
 - i. This section has 2 questions.
 - ii. Do as per the instructions given.
 - iii. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS

I. MCQ(Multiple Choice Questions)

12 x 1 = 12 Marks

1. What does HTML stand for?
 - a. Hypertext Markup Link
 - b. **Hyper Text Markup Language**
 - c. Hyper Text Media Language
 - d. Hyper Text Modelling language
2. We enclose HTML tag within.
 - a. Square bracket []
 - b. Curly braces { }
 - c. **Angle brackets < >**
 - d. Noe of these
3. What is meant by an empty tag in HTML?
 - a. A tag that doesn't have any content
 - b. **A tag that is missing a closing tag**
 - c. A tag that is not valid
 - d. None of these

4. Which tag is used to create a comment in HTML by default?
 - a. `<!-->`
 - b. `<com>`
 - c. `<cmt>`
 - d. `<--!-->`
5. How many sizes of headers are available in HTML by default?
 - a. 5
 - b. 6**
 - c. 7
 - d. 8
6. HTML files are saved by default with the extension.
 - a. .html
 - b. .hmt
 - c. Both**
 - d. None
7. Thehelps you to select areas of the current layer or image based on colour similarity.
 - a. Ellipse select tool
 - b. Rectangle tool
 - c. Fuzzy select tool**
 - d. Free selection tool
8. Thelets you select a drawing free hand with the pointer, while holding down the left mouse button.
 - a. Ellipse select tool
 - b. Rectangle tool
 - c. Fuzzy select tool
 - d. Free selection tool**
9. What is GIMP?
 - a. A free and open source raster graphics editor**
 - b. A proprietary vector graphics editor
 - c. A commercial photo editing software
 - d. A cloud based image editing software
- 10.UGVs stand for.
 - a. Unmanned ground vehicle**
 - b. Underground vehicle
 - c. Unmanned group vehicle
 - d. None of these
11. Who invented the standard Arm, a robot arm with six joints that can mimic the movements of a human arm?
 - a. George Devol
 - b. Alan Turing

- c. **Victor Scheinman**
 - d. Mark Raibert
12. The most important part of the image window (in GIMP) is the image display or :
- a. Screen
 - b. Document Area
 - c. **Canvas**
 - d. Sprite Area

SECTION B: SHORT QUESTIONS

II. **Short answer type questions.** **4 x 2 = 8 Marks**

13. Define GIMP. List at least four editing tools available in GIMP.

Ans- is a free and open-source raster graphics editor used for tasks such as photo retouching, image composition, and image authoring. It is widely used for tasks like creating and editing graphics, manipulating photographs, and producing art.

Four editing tools available in GIMP:

- i. **Brush Tool:** Used for painting and drawing with various brush shapes and sizes.
- ii. **Clone Tool:** Allows you to duplicate parts of an image or remove unwanted objects by copying pixels from one area and applying them to another.
- iii. **Fuzzy Select Tool:** Also known as the Magic Wand, it selects areas of an image based on color similarity.
- iv. **Healing Tool:** Used for retouching images by blending imperfections with the surrounding pixels, often used for removing blemishes or repairs.

14. Describe the following elements of the GIMP interface.

Ans-

- a. Status bar- The **Status Bar** helps users stay informed about their work and assists in providing feedback while interacting with the image.
- b. Canvas- The **Canvas** is the core area for editing, where users spend most of their time in the program.

15. Define HTML and Write down the basic structure of HTML document.

Ans- **HTML (HyperText Markup Language)** is the standard markup language used to create and design web pages. It is the foundation of web content, defining the structure of web pages using a system of tags and attributes. HTML tells web browsers how to display the elements of a webpage, such as headings, paragraphs, images, links, and more.

<html>

```
<head>
<title>basic Structure</title>
</head>
<body>
Add different tags for displaying the information
</body>
</html>
```

16. Name and explain any two attributes of body tag.

```
Ans- <body bgcolor="colour name">
<body background ="location of image">
```

SECTION C: LONG QUESTIONS

III. **Long answer type questions.** **2 x 2.5 = 5 Marks**

17. Write difference between.

a. Container tag and Empty tag with example-

A **Container Tag** (also known as a **pair tag** or **opening and closing tag**) is an HTML tag that has both an opening and a closing tag. The content is placed between these two tags.

Example of a Container Tag:

```
<p>This is a paragraph.</p>
<body>.....</body>
```

b.
 and <hr> tag

**The
** tag is used to insert a line break in the content, forcing the text to continue on the next line. It is an empty (self-closing) tag, meaning it does not have a closing tag. It is typically used in places where you want to break the flow of text or content without creating a new paragraph.

The <hr> tag is used to create a horizontal line (or rule) across the page. It visually separates sections of content or can be used to indicate a thematic break in the content. The <hr> tag is also an empty (self-closing) tag and does not require a closing tag.

18. Write down the expansion of the following.

- a. .gif-(Graphics Interchange Format)
- b. .jpeg-(Joint Photographic Experts Group)
- c. .psd-(Photoshop Document)
- d. .bmp-(Bitmap)
- e. .png-(Portable Network Graphics)

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