



# Delhi Public School, Howrah

Half Yearly Examination – 2024 – 2025

Class-VII

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

Subject: - Computer Education - Theory

Time: - 2 Hours

F.M. 50

### General Instructions:

1. This Question paper contains 8 questions.
2. All the questions are compulsory.
3. Read the questions carefully.

### 1. Fill in the blanks:

(0.5X4=2)

- a. A group of 8 bits is called a \_\_\_\_\_.
- b. In GIMP layers panel, value of opacity is \_\_\_\_\_ which means no transparency.
- c. The decimal number system is a base \_\_\_\_\_ number system.
- d. \_\_\_\_\_ is a software program that gets installed on your computer without your knowledge or consent.

### 2. Match the following:

(0.5X4 =2)

Column A	Column B
a. Binary	i. Symbols in positional number system
b. Cell Padding	ii. Merging Cells
c. Digits	iii. List
d. Spanning Cells	iv. 0 and 1
	v. Add space between borders and contents.
	vi. Nibble

### 3. Rewrite the whole code after filling up the blanks to get the proper output:

(0.5X6=3)

```

<html>
_____
  <title>My web page _____
</head>
<body>
  <h1> List of Subjects</h1>
  _____ 1
  <Li> Math
  _____ Science
  <Li> English
  <Li> Computer
</UL>
  <OL> 1
  <Li> Geography
  <Li> History
  _____
</body>
_____

```

**4. State whether the statements are True or False and rewrite the false statement(s) correctly: (1X4=4)**

- a. Phishing is a scam which involves sending unwanted message.
- b. 2 bits are sufficient to represent an octal number in a binary system.
- c. A hacker refers to someone who accesses a computer or network illegally and has the intent of destroying data, stealing information or carry other malicious action.
- d. Tables are links to sections within the same page.

**5. Write the syntax and function of the following terms in HTML: (1x4=4)**

- a) TR tag :-
- b) Style tag :-
- c) Cell Spacing :-
- d) HREF :-

**6. a. Convert the following number into proper number system as instructed: (2 x 3 = 6)**

- (i)  $(100101)_2 = (?)_{10}$
- (ii)  $(3456)_{10} = (?)_8$
- (iii)  $(68)_{10} = (?)_2$

**b. Define the purpose of the following components of GIMP : (2 x 3 = 6)**

- (i) Panel
- (ii) Toolbox
- (iii) Distort Filter

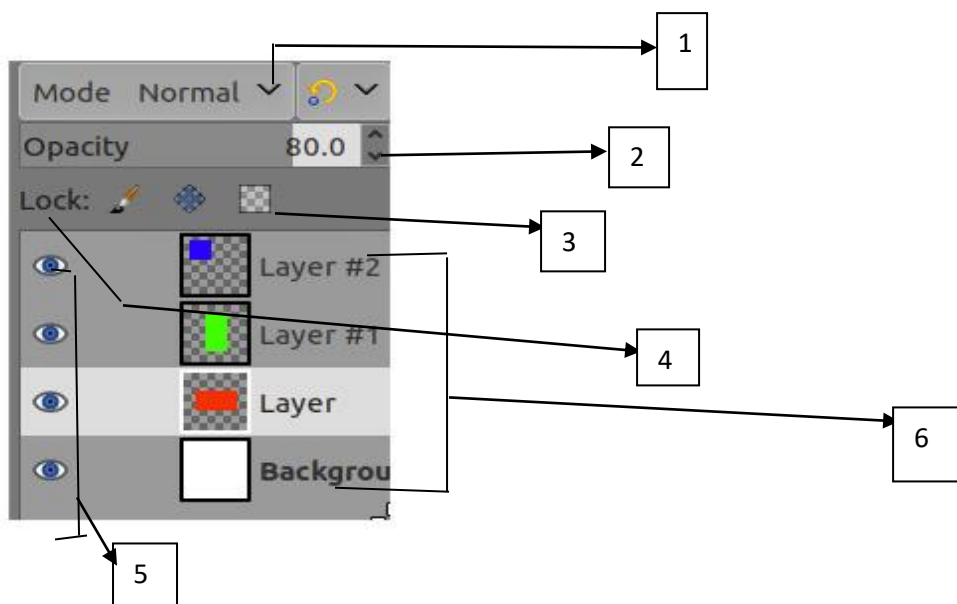
**c. Arrange the given steps to make odd shape selections with the help of the free select tool in GIMP. (2)**

- (a) Drag the mouse around the part of the image which is to be selected.
- (b) Click on the free select tool.
- (c) Release the mouse button at the starting point to complete the selection.
- (d) Click and hold the mouse on any part of the image to start a selection.

**d. Mention the steps for applying noise filter in GIMP. (2)**

**7. Answer the following questions: (3x5=15)**

- a. GIMP has many capabilities. It can be used as a simple paint program as well as a high quality photo editing program. State any three features of GIMP.
- b. Explain the purpose of using blending modes in GIMP. State the use of dodge and overlay blending modes in GIMP.
- c. Write the html syntax to create a table and add border to it with style.
- d. Animesh wants to edit an image in GIMP. GIMP is an acronym for GNU Image Manipulation Program. It is a freely distributed program for such tasks as photo retouching, image composition and image authoring. He wants to change the canvas size of that image. Help him explain the steps to change the canvas of the image.
- e. Look at the image given below and write the name of the tools/features for the given GIMP window:



**8. Perform the following actions in HTML:-**

Write a code to prepare the following output webpage.

**(4)**

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