



DELHI PUBLIC SCHOOL
SAIL TOWNSHIP, RANCHI
HALF YEARLY EXAMINATION (2017-18)

Class:- VIII
Time- 1:30 Hrs.

Subject:- Computer Science
F. M:- 50

- 1. Fill in the blanks :** **[1x5=5]**
- (a) Acontains one or more web pages which are linked with each other.
 - (b) The photos in digital format are made of grids of picture element called
 - (c) are like different sheets of artwork of an image.
 - (d) A layer is until something is drawn or painted on it.
 - (e) The arithmetic that uses 0 and 1 is called
- 2. Select the most suitable alternatives :-** **[1x5=5]**
- (a) A network in which the computers are spread over metropolitan area such as city is known as:
(i) LAN (ii) MAN (iii) WAN (iv) None of these
 - (b) A topology that combines characteristic of linear, bus and star topology is known as:
(i) Star (ii) Ring (iii) Tree (iv) Mesh
 - (c) The tool that helps to write text in horizontal direction is called as:
(i) Flip (ii) Shear (iii) Paths (iv) Text
 - (d) Which feature in GIMP helps to protect a particular area of an image where changes cannot be applied?
(i) Flip (ii) Iwarp (iii) Mask (iv) Paths
 - (e) Which feature in GIMP resolves problem associated with 'Flash Photography'?
(i) Crop (ii) Red eye removal (iii) Screen shot (iv) None of these
- 3. Expand the following abbreviations :** **[1x2=2]**
- (a) W3C (b) Wi-Fi
- 4. Write Short notes on :** **[3x2=6]**
- (a) Cropping (b) Digital India Scheme (c) Hotspot
- 5. Short answer type question :** **[6x2=12]**
- (a) What are servers?
 - (b) Write the use of Healing tool and Clone tool.
 - (c) What do you mean by 'Animation'?
 - (d) Convert the following decimal numbers into their equivalent binary numbers:
(i) 103 (ii) 256
 - (e) Convert the following binary numbers into their equivalent decimal numbers:
(i) 11001 (ii) 100001
 - (f) What are the initiatives taken by the government to promote 'Digital India Scheme'?
- 6. Long answer type questions :** **[3x6=18]**
- (a) What are the different types of network? Write down their characteristics.
 - (b) What is topology? Explain about different types of network topologies.
 - (c) How brightness and contrast feature in GIMP helps to enhance the visibility of the image?
 - (d) Compute the following binary arithmetic (Addition):
(i) 101010 + 100011 (ii) 111100 + 101101 (iii) 001101 + 101110
 - (e) Compute the following binary arithmetic (Subtraction):
(i) 1111000 – 1011100 (ii) 1010111 – 1110101 (iii) 1010101 – 0101010
 - (f) What is DigiLocker? Write down its advantages.
- 7. Value based question: Justify the statement.** **[2]**
- How 'E-Learning' is helpful to us in our life?