ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

WORKSHEET - 17 (ANSWER KEY)

Topic – Bitmap representation and Concept of multimedia

Subject: COMPUTER SCIENCE	Class - 11	F.M:15
Chapter: Bitmap representation and Concept of multimedia		Date: 25/07/2020

Choose the correct answer for each question: [15 X 1 = 15]

1. What do we call the smallest unit of data that can be represented in an image?
   - a. **Pixel**
   - b. Dot
   - c. Colour
   - d. Bit

2. Which of the following is not stored as Metadata about an image?
   - a. Height
   - b. Colour Depth
   - c. Resolution
   - d. **Number of people in the image**

3. A bitmap is _____.
   - a. **An array of bits**
   - b. An index of bits
   - c. A function mapping all the bits of data
   - d. None of the mentioned

4. What is the term used to define what must be known about a bitmap, for it to be represented accurately?
   - a. Microdata
   - b. **Metadata**
   - c. Megadata
   - d. None of these

5. What three colours are used to produce a broad array of colours in a computer system?
   - a. Green, Red, Orange
   - b. **Red, Green, Blue**
   - c. Yellow, Green, Red
   - d. None of these

6. _____ images are stored as a series of tiny dots called pixels.
   - a. **Raster**
   - b. GIF
   - c. JPEG
   - d. Vector

7. What is the name of the type of graphic that uses shapes of solid colour?
   a. Raster
   b. GIF
   c. JPEG
   d. Vector
8. Which of the following is not an image file?
   a. PNG
   b. JPEG
   c. Bitmap
   d. MPEG
9. _____ means that computer information can be represented through audio, video, and animation in addition to traditional media.
   a. Vector
   b. Raster
   c. Bitmap
   d. Multimedia
10. In modern technology what unit of measurement would be used for screen size?
    a. Pixels per Inch (PPI)
    b. Dots per Inch (DPI)
    c. Pixels per Meter (PPM)
    d. None of these
11. How many colours can be represented with a 4 bit colour depth?
    a. 2
    b. 4
    c. 16
    d. 32
12. _____ are the photographic images that are played back at the speed of 15-30 frames a sec.
    a. Images
    b. Videos
    c. Text
    d. Animation
13. Which among the following are/is the basic elements of multimedia?
    a. Text
    b. Graphic
    c. Animation
    d. All of these
14. What is meant by Colour Depth?
    a. Number of pixels in the image
    b. The number of colours available for each pixel
    c. How pixelated the image is

d. None of these
15. Music, speech or any other sound :
   a. Images
   b. Videos
   c. **<u>Sound</u>**
   d. Animation

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