

2056  
B.Sc. Data Analytics (FYUP)  
Fourth Semester  
BDAD-405: Graphics and Multimedia

Time allowed: 3 Hours

Max. Marks: 45

**NOTE:** Attempt five questions in all, including Question No. 9 (Section-E) which is compulsory and selecting one question each from Section A-D.

x-x-x

**Section – A**

1. Explain raster scan system and how does it work? (9)
2. a) What are the advantages and disadvantages of LCD over CRT monitors? (5)  
b) Explain different graphics software available in detail. (4)

**Section – B**

3. What is multimedia with components in detail? (9)
4. What is the difference between a multimedia system and a conventional system in detail? (9)

**Section – C**

5. Explain sources of image and types of images in detail. (9)
6. What do you mean by lossy and lossless compression with examples in detail. (9)

**Section – D**

7. Describe features of Canva and with steps to create a design with elements in detail? (9)
8. How can add and edit text, uploading images and creating slides in Canva in detail? (9)

**Section – E**

9. Elaborate: -
  - a) Graphical user interface
  - b) Non-Linear Multimedia
  - c) Image compression
  - d) Canva Templates
  - e) Pixel

(2+2+2+2+1)

x-x-x