B.E. PRINTING ENGINEERING THIRD YEAR SECOND SEMESTER EXAM 2023
MULTIMEDIA COMMUNICATION(HONS.)

Time : 3 hrs   **Full   Marks:** 100

CO1, CO2 and CO5 (Answer any three of the following questions)

1. What is a multimedia system? Describe different types of application of multimedia. Why do you use multimedia? How will you distinguish between linear and non-linear multimedia? Distinguish between 'pixel addressability' and 'resolution' of a monitor. Are they related? What is WWW?   [3+6+4+3+2+2=20]

2.   Briefly explain about TV broadcasting standard? Define composite video, component video and S-video. Give example of three file formats for audio, video and animation.   [10+7+3=20]

3.   Differentiate between bitmap images and vetor images. Differentiate between the JPEG,GIF and TIFF image file formats mentioning where each is used. Briefly explain the important criteria for promotion of multimedia presentation. What are the parameters of Monitor required for the appearance of an image and briefly explain with the suitable example?   [4+6+5+5=20]

4. Briefly explain the working principle of LCD? What is the difference between active matrix and passive matrix? What are the major disadvantages of CRT over LCD? What are the merits and demerits of PDP?   [5+5+5+5=20]

5. Short note on : a) Chroma subsampling b) HD Video c) Authoring tool d) Video Camera   [5+5+5+5=20]

6. Discuss various principles of Animation process in multimedia .   What are the methods used for acoustical measurement. Briefly explain minimum threshold curve for audio.   [12+4+4=20]

CO3 and CO4 (Answer any two of the following questions)

7.What is the difference between LAN and WAN? Define- i)FTP and HTTP ii) Hybrid topology and star topology. Briefly explain the application services for computer networking.   [4 +8+8=20]

8. What is compression technique? Describe the MPEG Encoding for video compression. Explain about Lempel–Ziv–Welch (LZW) coding scheme. ABABBABCABBABBAX - Apply LZW compression and decompression technique.   [2+10+8=20]

9.What are tags and attributes in HTML? How will you create a nested list using html? How will you change the background of your website color using html? Difference between link tag <link> and anchor tag <a>? Create a form using login details, radio button, and checklist list.   [3+5+3+2+7=20]