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| **ST. JOSEPH’S UNIVERSITY, BANGALORE-27** |
| **BCA - IV SEMESTER** |
| SEMESTER EXAMINATION: April 2024 (Examination conducted in May/ June 2024)CA4222- Computer Multimedia and Animation**(for current batch students only)** |
| **This Question paper contains 3 part and 1 side print** |
|  |  |  |  |
| **Time- 2 Hrs.** |  |  **Max Marks-60** |

**PART A**

**Answer all the following questions. 2x5=10**

1. List the elements of Multimedia used in presentation.
2. How is picture different from graphic objects?
3. What is hypertext?
4. Mention any two audio softwares.
5. Write the characteristics of video signal.

**PART B**

**Answer any Five the following questions. 4x5=20**

1. Differentiate between formative and summative evaluation process in multimedia project.
2. Explain the role of Lample Ziv text compression technique.
3. Write the purpose of Additive and subtractive color model
4. Describe the need of white balance correction.
5. Write a note on PNG and JPEG.
6. Explain the working principles of MIDI.
7. Describe the function of Broadcast video standards.

**PART C**

 **Answer any three following questions. 3x10=30**

13. What is dithering?

 b) Explain the steps involved in image processing with block diagram. (3+7)

14. Write a note on: (5+5)

 a) Sound synthesizer

 b) MIDI

15. a)What Is a Synthesizer? (3+7)

 b) Explain with steps how audio can be added to video with suitable software tool.

16. a) Write the difference between analog video and digital video. (5+5)

 b) Describe the role shooting and morphing in producing video content.

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