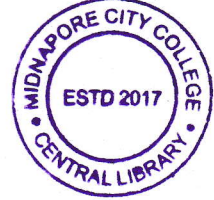


PG (CBCS)
M.SC. Semester- IV Examination, 2022
COMPUTER SCIENCE
PAPER: COS 403
(MULTIMEDIA)



Full Marks: 40

Time: 2 Hours

The figures in the right-hand margin indicate full marks.
 Candidates are required to give their answers in their own words as far as practicable.

GROUP-A

1. Answer any **FOUR** of the following questions: 2×4=8
- a) Write down the difference between hypertext and hyper media.
 - b) What is the different media used in multimedia system?
 - c) Write the different properties of text.
 - d) Explain different file format of animation.
 - e) What are the various type of image used in multimedia system?
 - f) Compare between video and animation.
 - g) Write down five applications of multimedia.
 - h) What is pulse code modulation?

GROUP-B

2. Answer any **FOUR** of the following questions: 4×4=16
- a) Discuss the features of animation software.
 - b) Explain the structure of video data.
 - c) Write the difference between raster image and vector graphics.
 - d) Compare between lossy compression and loss-less compression.
 - e) Explain Unicode schemes.
 - f) Explain the special effects of DSLR camera.
 - g) Discuss about Content based image retrieval system.
 - h) Explain various color models of images.

GROUP-C

3. Answer any **TWO** of the following questions: 8×2=16
- a) Explain path animation. Discuss about principles and techniques of animation. 2+(3+3)
 - b) What do you mean by video compression? Discuss about various method of video compression. 2+6
 - c) Discuss about the methods of audio digitization. 8
 - d) Explain various steps involved in digital image processing. 8
