



WEST BENGAL STATE UNIVERSITY
B.A./B.Sc. Honours/Programme 4th Semester Examination, 2021

CMAHGEC04T/CMAGCOR04T-COMPUTER APPLICATION (GE4/DSC4)

MULTIMEDIA SYSTEMS AND APPLICATIONS

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable..*

Answer Question Number 1 and any *four* questions from the rest

1. Answer any *four* questions from the following: 2×4 = 8
 - (a) What is the full name of MIDI?
 - (b) Name any two movie file formats.
 - (c) Differentiate between JPEG and GIF image.
 - (d) What are the elements of hypertext?
 - (e) What does hypermedia mean?
 - (f) Write the two ways to generate still image.
 - (g) What do you mean by bitmap?
2. What are the properties of full-motion video clip? Differentiate between animation and video. 4+4
3. List and explain various colour models used in images and video. 8
4. Write the differences between MIDI and Digital Audio. Why black pigment is used in CMY model? 6+2
5. (a) State the difference between **analog** video and **digital** video. 4
(b) Write any four file formats used in video. 4
6. Which is the best image file format for window and why? Mentioned few Font Editing and Design Tools. Which file type should you use to print the pictures? 3+4+1

7. (a) Mentioned various Animation Techniques in Multimedia. 4
(b) Write any four types of image file format. 4
8. Write short notes on any *two* of the following: 4+4
(a) Video editing
(b) Vector drawing
(c) Virtual reality.

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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