

Roll No.

DD-2877

B. C. A. (Part III) EXAMINATION, 2020

Paper Seventh

MULTIMEDIA TOOLS AND APPLICATIONS

Time : Three Hours

Maximum Marks : 50

Minimum Pass Marks : 20

Note : Attempt any *two* parts from each question. All questions carry equal marks.

Unit—I

1. (a) What is Multimedia ? State and explain basic components of multimedia.
- (b) Explain various image file formats.
- (c) Write notes on the following :
 - (i) Font editing tools
 - (ii) OLE concept

Unit—II

2. (a) What are the different sound standards on PC ? Write steps of capturing and editing sounds on PC.
- (b) What is Animation ? Write principles and applications of animation.

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[2]

- (c) Write notes on the following :
 - (i) Analog vs. Digital Sound
 - (ii) 2D and 3D Animation

Unit—III

- 3. (a) Write a brief note on various video standards.
- (b) Explain different video file formats.
- (c) Write notes on the following :
 - (i) Interlacing and Non-interlacing
 - (ii) Graphics Accelerator Card

Unit—IV

- 4. (a) Explain planning and distribution of multimedia projects.
- (b) Describe the differences between the formats of CD's and DVD's according to its characteristics!
- (c) Write notes on the following :
 - (i) Testing of multimedia products
 - (ii) Types of multimedia authoring tools

Unit—V

- 5. (a) Explain dynamic and embedded font technology in context of text in web.
- (b) Describe audio support and graphics support in HTML.
- (c) Write notes on the following :
 - (i) Real Video and Streaming Video
 - (ii) Virtual Reality