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## ED-2877

**B.C.A. (Part-III)**

### EXAMINATION, 2021

MULTIMEDIA TOOLS AND APPLICATIONS

(Paper Seventh)

Time : Three Hours

Maximum Marks : 50

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

#### Unit-1

1. (a) Explain text element of multimedia with RTF and HTML text and also describe conversion of various text formats.
- (b) Describe various attributes of image and explain vector and Raster graphics with example.
- (c) Mention any four image file format with their features and limitations.

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#### Unit-2

2. (a) Define sound attributes and its effect in multimedia. Write features of some sound file format.
- (b) Explain the use of animation and its principal. What are the effect of resolutions, pixel depth and image size on quality of any animation ?
- (c) Write short notes on the following :
  - (i) Create animation for the Web.
  - (ii) 3-D Studio.

#### Unit-3

3. (a) What do you understand by NTSC, PAL, SECAM ?
- (b) Explain digital video compression technique and briefly describe AVI and MPEG.
- (c) Write short notes on the following :
  - (i) Interlacing and Non Interlacing.
  - (ii) Analog and Digital Video.

#### Unit-4

4. (a) Give details of all types of multimedia authoring tool.
- (b) Differentiate the format of CD's and DVD's.
- (c) Explain the planning and distribution of a multimedia project.

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**Unit-5**

5. (a) Discuss the virtual reality on the Web and Streaming Video.
- (b) Write short notes on Dynamic and embedded font technology.
- (c) Write short notes on the following :
- (i) Broadband Technology
  - (ii) Audio on the Web.

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