



**B.C.A. (Semester – VI) Examination, April 2017**  
**MULTIMEDIA TECHNOLOGY**

Duration : 2 Hours

Max. Marks : 50

**Instructions :** 1) All questions are **compulsory**.  
2) Figures to the **right** indicate **full marks**.

1. A) State **True** or **False** :

(5×1=5)

- a) Google SketchUp is a 3D Authoring tool.
- b) Full form of PNG is Private Network Graphics.
- c) Flash is a Raster Graphic Software.
- d) Reverb is a delay effect of sound in multimedia.
- e) Newspaper is an example of web-based multimedia.

B) Answer the following in **one** or **two** statements **each** :

(5×1=5)

- a) State the difference between Raster Graphic and Vector Graphic Formats.
- b) Define hypermedia.
- c) Give any two examples of audio formats.
- d) What are Frames in video technology ?
- e) Give two examples of print media.

2. Answer the following :

- A) State any two points of difference between print media and electronic media. 2
- B) How can graphics be used to enhance multimedia content ? 3
- C) Define web-based multimedia. Discuss its advantages and disadvantages. 5



3. Answer the following :

- A) What are Multimedia Authoring tools ? Give any two examples.
- B) Why TIFF file format not suitable for web pages ?
- C) Explain why CMYK color mode is used in printing industry ?

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4. Answer the following :

- A) What is Equalization and Vocal Remover in audio effects ?
- B) Calculate the size of stereo audio of 360 seconds duration and sampling depth of 16 bit and with a sampling rate of 22.05 Hz.
- C) Explain the .wav file format.

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5. Answer the following :

- A) Define a video (visual) effect with an example.
- B) What are the advantages of MPEG-4 over SWF file format ?
- C) Define Codec. Discuss interframe and intraframe compression in brief.

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