

**Goa Vidyaprasarak Mandal's
Gopal Govind Poy Raiturcar College of
Commerce & Economics, Farmagudi- Ponda,
Goa.**

**B.C.A. (SEMESTER-VI) EXAMINATION, JUNE, 2022
MULTIMEDIA TECHNOLOGY**

Duration: 2 hours

Total Marks: 60

Instructions: *i) All questions are compulsory.*

ii) Figures to the right indicate full marks.

- Q.1. A Fill in the blanks **(5x1=05)**
1. _____ media is the art of communication, stylizing, and problem-solving through the use of type, space, and image.
 2. _____ is a method of converting an analogue audio signal into a digital signal.
 3. _____ is the full form of HEVC.
 4. Print resolution is measured in _____.
 5. Higher the frame rate of the video _____ is the quality and size of the video.
- Q.1. B. Answer the following: **(5x1=05)**
1. Define Multimedia.
 2. What is Compression?
 3. What is Quantization?
 4. What is Virtual Reality?
 5. What is a frame?
- Q.2. A Differentiate between Intraframe and Interframe compression techniques. **(02)**
- Q.2. B Explain in brief the different types of Audio Effects. **(03)**
- Q.2. C Explain any two Graphics Formats. **(05)**
- Q.3. A Differentiate between Linear and Non-linear Multimedia. **(02)**
- Q.3. B What is a Color mode? Explain any one Color mode. **(03)**
- Q.3. C Explain any two Audio Formats. **(05)**
- Q.4. A Differentiate between Raster and Vector Graphics. **(02)**
- Q.4. B Explain in brief H.264 codec. **(03)**
- Q.4. C Explain the elements of Multimedia. **(05)**
- Q.5. A Calculate the Audio data size of a 30 seconds 16-bit, 44.1 kHz stereo music. **(02)**
- Q.5. B Explain the different Sound Properties. **(03)**
- Q.5. C Explain any two Video Containers **(05)**
- Q.6. A Differentiate between Analog and Digital Audio. **(02)**
- Q.6. B Explain any two Applications of Multimedia. **(03)**
- Q.6. C Explain in brief any five Graphics manipulation effects. **(05)**
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