

END TERM EXAMINATION

SIXTH SEMESTER [BCA] MAY-JUNE 2016

Paper Code: BCA 308

Subject: Multimedia & Its Application

Time : 3 Hours

Maximum Marks :75

Note: Attempt any five questions including Q.NO. 1 which is compulsory. Select one question from each unit.

- Q1. Answer **any five** of the following briefly: (5x5=25)
- a) Bitmap images
 - b) Media entertainment
 - c) Hypermedia
 - d) Media games
 - e) Differentiate temporal and non temporal media
 - f) Purpose of Dream weaver
 - g) JPEG image format

Unit-I

- Q2. a) What is meant by Authoring of Software and explain about authoring tools? (7.5)
- b) What is multimedia? Explain its applications in various fields. (5)
- Q3. a) Explain different software and hardware used in developing multimedia products? (7.5)
- b) Discuss the skill set required for multimedia project development. (5)

Unit-II

- Q4. a) Explain the principle of operation of LZ compression algorithm. (7.5)
- b) State the basic form of representation of text, an image, audio and video? (5)
- Q5. a) What is data compression? Explain different data compression techniques. (7.5)
- b) Justify, why cannot we use lossy compression techniques in text like images? (5)

Unit-III

- Q6. a) Explain the terms media communication and media consumption for multimedia applications. (6.5)
- b) What is the basic function of the following tools for the WWW? (6)
- i) Web servers
 - ii) Web Browsers
 - iii) Web page makers and site builders
- Q7. a) What is plug-ins? Explain with examples. When do we use them and how? (6)
- b) What is the role of HTML and HTTP in delivering and launching multimedia on the web? (6.5)

Unit-IV

- Q8. a) Discuss in detail assembling and delivering of multimedia project planning and its costing. (7.5)
- b) Explain the concept of multimedia conferencing. (5)
- Q9. Write short notes on following:
- a) Intereactive television (6)
 - b) Virtual Reality (6.5)

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