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B.Tech. 5th Semester (CSE) Examination,
December-2015

MULTIMEDIA TECHNOLOGIES

Paper-IT-204-F

Time allowed : 3 hours] [Maximum marks : 100

Note : Q. No. 1 is compulsory. Attempt five questions in total selecting one question from each section.

1. (a) Define morphing. 8×2.5
- (b) Differentiate between CD-ROM and CD-R/W.
- (c) Differentiate between lossy and lossless compression.
- (d) Differentiate between GIFF and BMP image format.
- (e) What is sub-band coding ?
- (f) Mention some advantages of audio compression?
- (g) Mention some applications of VR.
- (h) What is the role of authoring tools in multimedia?

Section-A

2. Explain ATM network in detail. 20

24166-P-3-Q-9 (15)

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3. (a) Define Multimedia. Give classification of multimedia. Discuss various application of multimedia. 15
(b) Explain Animation with its usage. 5

Section-B

4. What is JPEG? Explain its objective and architecture in detail. 20
5. Write notes on :
(a) TIFF image format 10
(b) 3D drawing 10

Section-C

6. (a) What is stereophonic and quadra-phonc signal processing? 10
(b) Describe speech reorganization and generation process. 10
7. Write notes on : 20
(a) DVI
(b) MIDI
(c) Digital audio signal processing

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Section-D

(3)

8. (a) Explain intelligent Multimedia system. 10
(b) Explain orientation tracking. 10
9. Explain the following : 20
(a) VR operating system
(b) Intelligent VR System

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