

24166

B.Tech. 4th Semester (CS & IT)
Examination, May-2016
MULTIMEDIA TECHNOLOGIES
Paper-IT-204-F

Time allowed : 3 hours]

[Maximum marks : 100

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

1. Explain the following : 4×5
- (a) Video on Demand.
 - (b) PNG Image standard
 - (c) DVI technology
 - (d) Applications of VR systems.

Section-A

2. What do you mean by Authoring Tools ? Explain all the authoring tools and also all the features that an authoring tools should have. 20
3. (a) Define anti aliasing. What is the use of anti aliasing filter ? 10
- (b) Explain ADSL technology with diagram. 10

Section-B

4. What do you mean by JPEG ? Give its objective, architecture and performance. 20
5. Write notes on :
- (a) 3D drawing and rendering. 10
 - (b) Computer color model. 10

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Section-C

6. Explain architecture of MPEG with different levels of hierarchy. 20
7. (a) What is stereophonic and quadra-phonic signal processing? Explain. 10
- (b) Explain digital representation of sound with various encoding techniques. 10

Section-D

8. (a) What are the requirements of Visually Coupled system? 10
- (b) What is desktop virtual reality? Explain various desktop virtual reality tools? 10
9. Write notes on :
- (a) desktop virtual reality. 10
- (b) VR operating system. 10