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B. Tech. 5th Semester (F) Scheme (CSE) Examination,

December-2018

MULTIMEDIA TECHNOLOGIES

Paper-IT-204-F

*Time allowed : 3 hours]*

*[Maximum marks : 100*

*Note : Attempt five questions selecting one question from each section and question no. 1 is compulsory.*

1. Write a short note on the following :

- |                              |   |
|------------------------------|---|
| (a) Computer Color Models    | 5 |
| (b) DVI Technology           | 5 |
| (c) Animation Technologies   | 5 |
| (d) Desktop Virtual Reality. | 5 |

**Section-A**

2. (a) What is multimedia system ? Describe the framework for multimedia system in detail with diagram. 15
- (b) What type of role presentation devices plays in multimedia system? Explain. 5
3. (a) Discuss the different types of multimedia servers in detail. 10
- (b) Briefly explain ADSL. 10

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**Section-B**

4. (a) Explain the architecture of JPEG in detail. 10  
(b) What are still images ? Describe various ways of making still images. 10
5. Write a short note on following :
- (a) Vector drawing  
(b) 3D drawing and rendering  
(c) Color palettes  
(d) TIFF. 20

**Section-C**

6. (a) Explain MPEG motion video compression standard technique in detail. 12  
(b) Explain musical instrument digital interface in detail. 8
7. (a) Explain the method of encoding the analog signals. 8  
(b) Describe stereophonic and quadraphonic signal processing. 12

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**Section-D**

8. (a) Describe intelligent VR software systems and desktop virtual reality. 10  
(b) Explain the Virtual operating system briefly.
9. Write a short note on :
- (a) Desktop virtual reality.  
(b) Virtual environment displays and orientation making.  
(c) Applications of multimedia.