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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.