

## BT-5/DX

## MULTIMEDIA AND VIRTUAL REALITY (2005-2006)

Paper : IT-359

Option-I

Time : Three Hours]

[Maximum Marks : 100

**Note :** Attempt *five* questions in all, selecting at least *one* question from each Unit.

## UNIT-I

1. (a) What do you mean by multimedia presentation ? 10  
(b) Explain JPEE image compression standard. 10
2. (a) Explain the Multimedia Authoring Tools. 10  
(b) Write short note on : 10  
(i) Speech Recognition & Generation  
(ii) DVI Technology.

## UNIT-II

3. (a) Explain multimedia system service Architecture in details. 10  
(b) Explain various design paradigms for multimedia presentation and authoring. 10
4. (a) Explain file system support for continuous media. 10  
(b) What do you mean by media stream protocol ? 10

5. (a) Differentiate media service, session service and give their types. 10  
(b) Differentiate 2D and 3D animation in details. 10
6. (a) Describe B-ISDN protocol reference model in details. 10  
(b) What do you mean by real time interchange ? 10

## UNIT-IV

7. (a) Describe Intelligent virtual reality software in details. 10  
(b) Describe virtual Reality operating system in detail. 10
8. Write short note on (any *two*)  
(a) Format function and representation Summary.  
(b) Audio Compression.  
(c) MPEG motion video compression standard. 20