

Roll No.

2224

**B. E. 5th Semester (CSE)
Examination – December, 2011**

MULTIMEDIA TECHNOLOGIES

Paper : IT-204-E

Time : Three hours]

[Maximum Marks : 100

Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any five questions. All questions carry equal marks.

1. What is multimedia ? Explain its applications in various domains. 20
2. How authoring tools and presentation tools helps in making multimedia projects ? Explain. 20
3. What is JPEG ? Enumerate its objectives, applications and architecture. 20

4. Explain all the types of Images. What type of operations performed on images ? 20
5. (a) What is DVI technology ? Explain its working. 10
(b) What is Digital audio signal processing ? Explain stereophonic and quadraphonic signal processing in detail. 10
6. (a) Explain the concept of MPEG in detail. 10
(b) Write short note on : 10
(i) Speech recognition and generation.
(ii) Digital video and image compression.
7. Write short notes on the following : 10 × 2 = 20
(a) Multimedia servers and databases.
(b) Multimedia Devices.
8. What is virtual reality Operating system ? Discuss its areas of application which are useful to society. 20