

**Multimedia and Virtual Reality**  
**(IT-359, DEC-05)**

**Note:** Attempt any five taking at least one question from each unit.

**UNIT-1**

1. What do you mean by multimedia presentations and applications? Describe three advances in technology that have contributed to the developments of multimedia applications?
2. What is the role of sampling and quantization in digital representation of sound? List some distinguishing features of DVI technology.

**UNIT-2**

3. What are multimedia information systems? What approaches are taken to support continuous media?
4. What is the purpose of multimedia presentation and authoring software? Describe the design paradigm for authoring and presentation.

**UNIT-3**

5. Describe the architecture for network based multimedia services. What are the components of a Quick time movie file format?
6. Give a few examples to show how animations are used in multimedia applications. What techniques enhance animation?

**UNIT-4**

7. How do you characterize applications based on virtual reality? Give one example of such an application?
8. a) What is an intelligent multimedia system?  
b) Describe the application of multimedia in education and entertainment.

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