

Roll No. ....

## OLE-24166

### B. Tech. 5th Semester (CSE)

### Examination – April, 2021

#### MULTIMEDIA TECHNOLOGIES

Paper : IT-204-F

*Time : Three hours ]*

*[ Maximum Marks : 100*

*Before answering the questions, 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 *five* questions in all, selecting *one* question from each Unit. Question No. 1 is *compulsory*.

1. Write short note on following : 20
- (a) ADSL
  - (b) BMP
  - (c) DVI
  - (d) Multimedia

#### UNIT – I

2. Define Multimedia. Explain framework for multimedia systems. Also define multimedia devices. 20
3. Explain the following : 20
- (a) Animation techniques
  - (b) Video on Demand

## UNIT – II

4. Define JPEG. Explain its objective and architecture. 20
5. Describe in detail about different types of image file formats. 20

## UNIT – III

6. Explain the following : 20
  - (a) Digital representation of sound
  - (b) Subband coding
7. Describe the following 20
  - (a) MIDI
  - (b) Time base media representation and delivery

## UNIT – IV

8. Describe applications of multimedia in detail. 20
9. Explain the following : 20
  - (a) VR Operating System
  - (b) Intelligent VR Software Systems

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