

**333753(33)**

**B. E. (Seventh Seester) Examination,  
April-May 2020**

**(Old Scheme)**

**(IT Engg. Branch)**

**MULTIMEDIA and COMMUNICATION**

*Time Allowed : Three hours*

*Maximum Marks : 80*

*Minimum Pass Marks : 28*

*Note : Part (a) of each question is compulsory. Attempt two parts from part (b), (c) and (d) of all questions.*

**Unit-I**

1. (a) Define multimedia. 2  
(b) Differentiate between temporal and non-temporal multimedia. 7

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- (c) Explain the architecture of hypertext. 7  
(d) What is the role of anchoring explain in brief. 7

**Unit-II**

2. (a) Define Compression. 2  
(b) Explain the features of JPEG 2000. 7  
(c) Differentiate between MPEG 1 and 2 compression. 7  
(d) Why compression required in multimedia system. 7

**Unit-III**

3. (a) Define the term PC work station. 2  
(b) Explain the architecture of PC workstation. 7  
(c) Explain the IEEE 1394 interface. 7  
(d) What are the different characteristic of MMX instruction set. 7

**Unit-IV**

4. (a) Define image retrieval system. 2  
(b) Explain the facts which we have to keep consider during design of image retrieval system. 7

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- (c) Draw the architecture of image retrieval system for images. 7
- (d) Explain MPEG-7 in detail. 7

**Unit-V**

- 5. (a) Define Haptic. 2
- (b) Explain the architecture of virtual reality management system. 7
- (c) Describe the role of head and hand trackers. 7
- (d) Justify with one example (application) of virtual reality system. 7