H307

B. Tech. EXAMINATION, May 2019

(Eighth Semester)

(B. Scheme) (Main & Re-appear)

(IT)

IT456B

MULTIMEDIA & VIRTUAL REALITY

Time : 3 *Hours*]   [*Maximum Marks :* 75

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

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

Unit I

1. (a) What is media and data stream ? Explain characteristics and applications for media and data stream. **10**

   (b) Write note on video and animation. **5**

2. (a) What is Image Processing ? Explain. **10**

   (b) Write note for MIDI. **5**

Unit II

3. What is Text Compression ? Explain dynamic huffman technique and statistical coding technique. **15**

4. (a) What is Hybrid coding ? Explain. **10**

   (b) What is JPEG format of multimedia ? Explain. **5**

Unit III

5. Compare Hybrid System and Digital System with example. **15**

6. Explain compact Disk Digital Audio in detail. **15**

Unit IV

7. (a) What is Virtual Reality System ? Explain. **10**

   (b) Write note on image based virtual reality system. **5**

8. (a) Write note on VRML programming. **5**

   (b) Explain domain dependent applications in virtual reality system. **10**