

**B.Tech. SEM -V ( Computer) 2014 Course (CBCS) : WINTER - 2018**  
**SUBJECT-ELECTIVE-I MULTIMEDIA & MOBILE APPLICATIONS**

Day: Saturday  
Date: 01/12/2018

**W-2018-2393**

Time 02.30 PM TO 05.30 PM  
Max. Marks: 60

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagram **WHEREVER** necessary.

**Q.1** Define multimedia system. Describe in detail different building blocks of multimedia system. Illustrate with example. (10)

**OR**

**Q.1** Define data compression describe it's need Distinguish between lossy and lossless compression. (10)

**Q.2** Illustrate with suitable example complete working of Run Length Encoding. (10)

**OR**

**Q.2** Define MIDI compare and contrast use of MIDI and digitized audio in multimedia development. (10)

**Q.3** Draw a neat diagram and describe architecture of multimedia database management system. (10)

**OR**

**Q.3** Identify and describe input and output devices used in biometric fingerprint recognition system. (10)

**Q.4** Define virtual reality .Draw a neat diagram and describe generic VR system architecture. (10)

**OR**

**Q.4** Describe in detail issues in developing a multimedia user interface. (10)

**Q.5** Explain in detail Transmission Control Protocol and Internet Protocol. (10)

**OR**

**Q.5** Draw a neat diagram and explain format of RTP header. (10)

**Q.6** Describe in detail the different steps involved in developing an Android application. (10)

**OR**

**Q.6** Describe in detail building blocks of mobile application. (10)

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