

B.Tech. SEM -VI Info. Tech. 2014 Course (CBCS) : WINTER - 2018

SUBJECT- : 1) ELECTIVE – II MULTIMEDIA TECHNIQUES

Day: Saturday
Date: 17/11/2018

W-2018-2487

Time: 10.00 AM TO 01.00 PM
Max. Marks: 60

N.B.:

- 1) All questions are questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Use of non-programmable calculator is **ALLOWED**.
 - 4) Assume suitable data if necessary.
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Q.1 With the help of neat diagram, explain the architecture of Multimedia system (10)
and also discuss different types of Multimedia system.

OR

Q.1 How Multimedia help to enhance day to day activities of business firms and (10)
workplaces?

Q.2 Justify the need of Data Compression. Explain basic compression (10)
techniques.

OR

Q.2 Give LZ77 approach for Adaptive Dictionary Based encoding. (10)

Q.3 What is MIDI? Compare and contrast the use of MIDI and digitized audio in (10)
multimedia applications.

OR

Q.3 Describe the various multimedia Video file formats used for web. Explain (10)
the mechanisms used for video and audio synchronization in Multimedia.

Q.4 Differentiate between various types of graphics. List and explain various file (10)
formats for graphics supported by Multimedia.

OR

Q.4 Discuss JPEG Image compression and decompression. (10)

Q.5 Explain different storage technologies and differentiate them in terms of (10)
their storage and speed.

OR

Q.5 Compare CD vs DVD. Explain DVD specifications in detail. (10)

Q.6 List and explain in brief single-user, multi-user and networked multimedia (10)
applications from various fields.

OR

Q.6 Write short note on : (10)

- i) Interactive television
- ii) Media editors

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