

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 02

B.Tech. (Sem. – 7th/8th)
MULTIMEDIA AND APPLICATIONS
SUBJECT CODE : IT – 406 (Elective – II)
Paper ID : [A0532]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Two** questions from Section - C.

Section - A**Q1)****(10 × 2 = 20)**

- a) What are the different multimedia authoring tools?
- b) What are the different presentation devices required for multimedia applications?
- c) What are the different image compression techniques available?
- d) What is the MPEG video format?
- e) What is the DVI technology?
- f) What is the timbered media representation?
- g) What is media stream protocol?
- h) What are the requirements for visually coupled systems?
- i) What are the virtual reality operating systems?
- j) What is orientation tracking in multimedia systems?

Section - B**(4 × 5 = 20)**

Q2) Discuss the specialized multimedia devices required for multimedia applications.

Q3) Discuss in detail the different features of digital representation of sound.

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Q4) What support is required from Operating System for the multimedia applications? Discuss in detail with suitable examples.

Q5) Write short note on Intelligent Multimedia Systems.

Q6) Discuss the different data models for multimedia and hypermedia information.

Section - C

(2 × 10 = 20)

Q7) Discuss in detail the different applications of multimedia systems.

Q8) What is the need of distributed virtual environment system? Discuss its different features in detail.

Q9) What is the JPEG image compression standard? Discuss its format in detail.

