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**B.Tech. 4th Semester CS & IT F. Scheme Examination,
May-2014**

MULTIMEDIA TECHNOLOGY

Paper-IT-204-F

Time allowed : 3 hours]

[Maximum marks : 100

Note : Attempt five questions taking at least one question from each section. Question No. 1 is compulsory.

1. (a) What is anti aliasing ? 10×2
(b) What is morphing ?
(c) Define multimedia database.
(d) What is the use of color palattes ?
(e) What are predictive losses ?
(f) Define digital multimedia system.
(g) What do you mean by speech recognition ?
(h) What is use of musical instrument digital interface ?
(i) Name two methods of encoding a digital signal.
(j) Write two uses of intelligent multimedia system.

(2)

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3. (a) What are CD-ROM and CD-I technology ?
Compare these two techniques. 2×10
- (b) Explain in short ADSL network used for multimedia distribution.

Section-B

4. Explain : 2×10
- (a) PNG
- (b) TIFF.
5. What is JPEG file ? Explain its objective and architecture. Also explain JPEG statistical method. 20

Section-C

6. Write note on : 2×10
- (a) Transmission of digital sound.
- (b) Time base multimedia.

Section-D

8. (a) What is desktop virtual reality ? Explain. 2×10
(b) Explain Intelligent multimedia systems.
9. Explain any *two* : 2×10
(a) Applications of multimedia
(b) Virtual environment display.