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[This question paper contains 3 printed pages.]

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Your Roll No.....

B.Sc. (HONS.) Computer Science / VI Sem. B

Paper 605 (ii) : MULTIMEDIA APPLICATION

(Admissions of 2001 to 2010)

Time : 3 Hours

Maximum Marks : 75

(Write your Roll No. on the top immediately
on receipt of this question paper.)

Question No. 1 is compulsory.

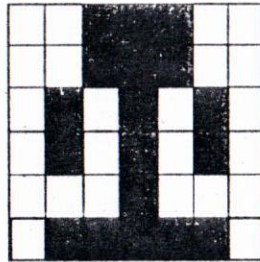
Attempt any **four** out of the remaining **six** questions.

Attempt all parts of a question together.

1. (a) Discuss the functions of Input and Output subsystem of multimedia development system ? (4)
- (b) Give importance of multimedia in Sales and Medicine. (4)
- (c) Describe the Dexter Hypertext Reference Model. (4)
- (d) Explain Vectorisation of Line Art. (3)
- (e) What is Virtual Reality? What are the Virtual Reality training programmes for disabled children ? (4)
- (f) Discuss the Optical tracking techniques used for tracking the hand ? (4)

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- (g) What are the RGB and HSB Color models ? (4)
- (h) Discuss PNG and BMP graphic file formats. (4)
- (i) Give the 1-D Runlength encoding and 2-D Runlength encoding for the following image. (4)



2. (a) Explain the Responsive Workbench. (3)
- (b) What are the different display technologies used in Virtual Reality System ? (4)
- (c) Give the specification for a typical Virtual Reality Setup ? (3)
3. (a) Discuss the various Windows Metafile Formats. (4)
- (b) Explain any four digital video formats. (4)
- (c) What do you understand by SMDL ? (2)
4. (a) What are the types of images ? Give application of each type. (6)

- (b) What is JPEG ? Give application of, and the technology used in the JPEG compression technique. (4)
5. (a) Discuss the system software components added by Microsoft Windows to support Multimedia application. (6)
- (b) What are minimum Audio requirement for Multimedia PC ? (4)
6. (a) Differentiate between TV screen and computer monitor. (6)
- (b) What was the configuration of Level-2 Multimedia PC ? (4)
7. (a) What is Quick Time ? What are the three basic components of Quick Time ? Discuss the two file formats supported by Quick Time ? (6)
- (b) What is Issue Based Information System ? Explain its types. (4)