

This question paper contains 4 printed pages.]

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Your Roll No.

PGDCA / II Sem.

A

Paper-CS-2.5

(Multimedia and Applications)

Time : 3 Hours

Maximum Marks : 100

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

*Attempt all questions. All parts of a
question must be attempted together.*

1. (a) Define Multimedia. Multimedia is shifting from being localized (contained on a CD ROM) to being distributed (available on the WWW). What are some of the implications of this ? How will you keep multimedia content secure ? 6
- (b) What are the five basic tasks in a business activity. Also mention the effective use of multimedia in these tasks. 6
2. (a) Give full form of the following : 4
- (i) TIFF (ii) VRML
- (ii) MIDI (iv) PDA

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- (b) Differentiate between integrated multimedia and interactive multimedia. 3
- (c) Define continuous tone, bitonal and grey scale images. 6
- (d) Give any two differences between Raster image and Vector image. Which is preferred and why? 2+2=4
3. (a) Explain with the help of a diagram that how a multimedia presentation can be projected to screen through an LCD panel and overhead projector. 6
- (b) Name various types of scanners. 3
- (c) Name any three features that a good 3-Dimensional modelling tool should include. 3
- (d) What steps are taken to do image compression? Give an example with reference to run length encoding. 5
4. (a) Explain how a laser beam reads the data reflected from pits and lands of the CD-ROM. 7
- (b) Mention the steps involved in CD replication process. 4

(c) Write short notes on the following : $4 \times 2 = 8$

- (i) impact of high quality imaging system in surgical planning.
- (ii) multimedia data management using an object oriented database.

(d) With the help of a diagram, discuss the configuration for video system. 5

5. (a) Identify the multimedia skill categories related to the media used in a project. 4

(b) Describe any two output devices available for personal computer and how they can be used in multimedia production and delivery. 6

(c) What are minimum audio requirements for the multimedia personal computer specification? 4

(d) Discuss the requirement of point of information system in following areas : 6

- (i) museums and galleries
- (ii) railway inquiry

6. (a) What is the use of following tools in a Photoshop software : 4
- (i) Magic Wand
 - (ii) Magnetic Lasso Tool
- (b) Give advantage of using a Layered masking system in Photoshop image. 2
- (c) Explain the use of scripting system with respect to macromedia director. 4

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(b)

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