**1760**

## 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          (iii) VRML

    (ii)  MIDI          (iv) PDA

(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 : 4×2=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 gallaries

    (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

information (b)

ns and gallu.

inc