5470   *Your Roll No. ....*

B.A. Prog./III   I
COMPUTER APPLICATION
Paper III (A) (Elective I)
(Multimedia System and Applications)

(NC – Admissions of 2004 and onwards)

Time : 3 Hours   *Maximum Marks : 45*

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

Answer ALL questions.

(Parts of a question must be answered together.)

1. (a) How does multimedia help in virtual reality ?

                                                        2

    (b) What are the basic components of a multimedia
         project ?

                                                        3

2. (a) Explain the role of a multimedia designer in creating
         a multimedia project.

                                                        2

(b) Write short note on each of the following :

3

    (i) Typeface

    (ii) Serif versus Sans serif fonts

    (iii) Kerning

3. (a) How should one choose text for

    (i) menus for navigation and

    (ii) buttons for interaction ?

2

  (b) Explain three text editing and design tools.

3

4. (a) What is Red book standard ?

1

  (b) Explain the process involved in adding sound to a multimedia project.

2

  (c) Write short notes on any two :

    (i) Format conversion

    (ii) Down sampling

    (iii) Time streching

2

5. (a) List any two ways to make a bitmap image.

1

(b) What do you mean by rendering ? How does it help in 3-D drawing ?

2

(c) What is a color palette ? What do you mean by 4-bit deep colour palette ?

2

6. (a) How does a computer help in animation ? How was animation created before the existence of computers ?

2

(b) What do you mean by Kinematics ?

1

(c) Write a note on Morphing. Explain with example.

2

7. (a) Explain in brief three commonly used broadcast and video standards.

3

(b) What are the ways of optimizing video files for CD-ROM ?

2

8. (a) What are the various memory devices used for multimedia projects ? Explain in brief how each of these memory devices are used.

2

(b) Write short notes on each of the following :
   (i) Touchscreens
   (ii) Flat-bed scanners
   (iii) Infrared remotes
   (iv) Projector
   (v) ISDN
   (vi) Cable Modems

6

(c) What are the advantages and disadvantages of using Windows platform over Machintosh platform for creating Multimedia project.

2