Total No. of printed pages = 3

BMD 171203

Roll No. of candidate

2018

B.Des. 2nd Semester End-Term Examination

INTRODUCTION TO MULTIMEDIA COMMUNICATIONS

(New Regulation)

Full Marks – 70   Time – Three hours

The figures in the margin indicate full marks
for the questions.

Illustrate your answers with suitable sketches and
examples wherever necessary.

Answer question No. 1 and any *four* from the rest.

1.   Fill in the blanks :   (10 × 1 = 10)

    (a)   Text, still images, audio, video are called
        Multimedia ―――――.

    (b)   Digital signals have two amplitude levels called
        ―――――.

    (c)   RLE is a ――――― type of encoding used for
        data compression.

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(d) The Korean ———————— is a script used for a single language.

(e) White, black and grey are ———————— colours.

(f) The scientific study of sound perception is called ————————.

(g) A MIDI file consists of a number of ————————.

(h) A picture from an NTSC broadcast standard consists of ———————— lines.

(i) Luma or luminosity represents the ———————— of an image.

(j) The application used for accessing a website is called a ————————.

2. (a) Define multimedia. What are the characteristics of a multimedia system? (5)

(b) Explain the process of ADC and DAC with suitable diagrams. (10)

3. (a) Define Text. Why do we need text in Multimedia? (2 + 2 = 4)

(b) Write brief notes on: *Symbols, Icons* and *Buttons*. (3 × 2 = 6)

(c) Describe the HSB colour system. (5)

4. (a) Mention any five things we can do by using layers in Adobe Photoshop. (5)

(b) Write a short note on the Dot Matrix colour printer and its characteristics. (5)

(c) Describe the composition of a MIDI file with diagrams. (5)

5. (a) What does the terms *trimming, splicing* and *assembly* mean in editing? (9)

   (b) Explain component video, composite video and stereoscopic video. (6)

6. (a) Describe the three different analog broadcast video standards. (9)

   (b) What is an e-mail? How does it differ from a snail mail? (2 + 4 = 6)

7. (a) Describe the different types of computer networks with suitable diagrams. (10)

   (b) What are the different types of Virtual Reality systems? (5)

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