

Total No. of printed pages = 3

BMD 161203

Roll No. of candidate

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2017

B. Des 2nd Semester End-Term Examination

**INTRODUCTION TO MULTIMEDIA
COMMUNICATIONS**

Full Marks -100 Pass Marks - 35 Time - Three hours

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

Illustrate your answers with suitable sketches and
examples wherever necessary.

PART - A

Answer any *ten* questions. $10 \times 3 = 30$

1. (a) Define the term "multimedia".
(b) What are the different multimedia elements ?
(c) What are the different types of software ?
(d) Explain Digital Signals with diagram.
(e) What is an alpha channel ?
(f) Define anti-aliasing.

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- (g) Name any three font styles.
- (h) What are the characteristics of musical sound ?
- (i) What is cel-animation ?
- (j) Name any three lossless algorithms.
- (k) What are web browsers ? Give examples.

PART - B

Answer any *eight* questions. 8×5=40

2. (a) Where can multimedia be applied ?
- (b) What is the ASCII character set ?
- (c) What are the different ways of acquiring digital images ?
- (d) What are the different types of colour systems ? Explain any one of them.
- (e) Describe the composition of a MIDI file.
- (f) What do you understand by the terms 'trimming' and 'splicing' ?
- (g) What is tweening ? Draw diagrams to support your answer.

- (h) Explain component video and composite video.
- (i) What is e-mail ? Name a few e-mail clients.
- (j) What are the different types of Virtual Reality systems ?

PART- C

Answer any *three* questions. $3 \times 10 = 30$

3. (a) Describe the process of ADC and DAC with diagrams.
- (b) What are the differences between a bitmap image and a vector graphics ?
- (c) Describe the different analog broadcast video standards.
- (d) What are the different types of computer networks ? Describe with examples and diagrams.