

Total No. of printed pages = 3

AMT-301/MS&T/3rd Sem/2016/N

**MULTIMEDIA SYSTEMS AND
TECHNOLOGY**

Full Marks – 70

Pass Marks – 28

Time – Three hours

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

Answer any *seven* questions.

Illustrate your answers with suitable sketches and
examples wherever necessary.

1. (a) What are the different multimedia objects or
elements ? 3
- (b) Define software. What are the different types
of software ? Give examples. 7
2. (a) What is static and continuous media ? Explain
with examples. 4

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- (b) What are analog signals and digital signals ?
Explain with diagrams. 6
3. (a) What do you understand by the term 'text' ?
Why do we require it in Multimedia ? 4
- (b) Define Fonts, Cases and Icons. 6
4. What is an 'alpha channel' ? What are the benefits
of using an alpha channel ? Mention any four file
types that support alpha channel. 3+5+2=10
5. What are the differences between MIDI vs. Digital
Audio ? 10
6. (a) Define 'Video'. What do you understand by
the term 'field' in video ? 4
- (b) What are 'interlaced' and 'progressive'
video ? Explain them briefly. 6
7. What are the various tools associated with Virtual
Reality ? What are their functionalities ? 10
8. What are the different features available in an
Authoring Tool ? Describe briefly. 10

9. Write short notes on any *five* of the following :

5×2=10

- (a) 16-bit image
- (b) Panorama
- (c) Psychoacoustics
- (d) Aspect Ratio
- (e) Nyquit Theorem
- (f) e-mail
- (g) Golden Master.