

Total No. of printed pages = 3

AMT-301/MS&T/3rd Sem/2015/M

## 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.

- (a) What are the different elements of  
multimedia ? 6

(b) What are the characteristics of multimedia ? 4
- Describe briefly analog and digital signals with  
examples. 5+5=10

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3. What do you understand by the term "resolution"? Explain the different types of resolutions. Give examples.  $2+6+2=10$
4. What is an alpha channel? What are the benefits of using an alpha channel? What are the different file types that support alpha channel?  $3+5+2=10$
5. What are the differences between MIDI and Digital Audio? 10
6. What are the different tools associated with Virtual Reality? What are their functionalities? 10
7. What are the different stages of a Multimedia Project? Explain with examples. 10
8. Describe the following roles :  $5 \times 2 = 10$
- (i) Multimedia designer
  - (ii) Audio specialist.
9. Write short notes on any *five* of the following :  $5 \times 2 = 10$
- (i) Codec
  - (ii) Kinematics

- (iii) WAN
- (iv) Hotspot
- (v) Cases
- (vi) ASCII
- (vii) Installer.