

Total No. of printed pages = 6

**RETEST EXAMINATION-2019**

Semester : 3rd

Subject Code : AMT-301

**MULTIMEDIA SYSTEMS AND TECHNOLOGY**

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.*

**Instructions :**

1. All questions of PART-A are compulsory.
2. Answer any five questions from PART-B.

**PART – A**

Marks – 25

1. Fill in the blanks : 1×10=10
  - (a) Hardware and Software are the two basic \_\_\_\_\_ of multimedia.
  - (b) Binary tree can be created using the \_\_\_\_\_ encoding algorithm.

[Turn over

(c) The original Unicode standard accommodated \_\_\_\_\_ characters.

(d) The \_\_\_\_\_ printer is the noisiest of all the printers.

(e) The branch of science which studies sound perception is called \_\_\_\_\_.

(f) In a video resolution of 720p, the 'p' indicates \_\_\_\_\_.

(g) The reach of a Personal Area Network is \_\_\_\_\_ metres.

(h) Desktop VR is an example of \_\_\_\_\_ VR system.

(i) Well organized resource files of a multimedia project are called \_\_\_\_\_.

(j) A Navigational map is also known as a \_\_\_\_\_ map.

2. Write true or false:  $1 \times 10 = 10$

(a) Linux is a programming software.

(b) LZW is a type of Lossy Data Compression algorithm.

(c) Buttons are considered as text in multimedia.

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(d) An indexed colour image contains 256 colours.

(e) Header chunk of a MIDI file contains the actual data of a MIDI track.

(f) PAL is used in Japan.

(g) Two LAN networks can be used within the same campus area.

(h) Video Games can be created using an Authoring Tool.

(i) The public should be involved while Beta Testing.

(j) Delivering a project on a DVD is similar to delivering on the World Wide Web.

3. Choose the correct answer:  $1 \times 5 = 5$

(a) The capacity of a Digital Versatile Disc is

(i) 4 GB (ii) 4.7 GB

(iii) 8 GB (iv) 703 MB

(b) What is the shortcut key combination for deselecting an area in Adobe Photoshop?

(i) Ctrl+M (ii) Ctrl+T

(iii) Ctrl + D (iv) Ctrl + E

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(c) Which Colour Model is used by printers ?

(i) RGB (ii) CMYK

(iii) HSB (iv) YUV

(d) Which image file is best for logos ?

(i) Bitmap

(ii) Encapsulated Postscript

(iii) Vector

(iv) Shockwave

(e) The most precious asset you can bring to the multimedia workshop is your :

(i) Creativity

(ii) Programming skills

(iii) Musical ability

(iv) Film and video production talent.



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50(W)

PART - B

Marks - 45

4. (a) What are the characteristics of a multimedia system ? 4

(b) Describe the process of ADC with a diagram. 5

5. (a) Describe symbols, icons and buttons with diagrams. 6

(b) What is a text script ? Name any two scripts. 3

6. (a) What are the characteristics of colour ? 3

(b) State three differences each between Vector and Raster graphics. 6

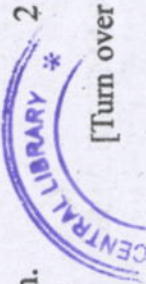
7. (a) What is trimming in audio editing ? 3

(b) What are the differences between a MIDI and digital audio ? 6

8. (a) What are 'component video' and 'composite video' ? 4

(b) Write a short note on Stereoscopic video. 3

(b) State Nyquist's Theorem. 2



24/AMT-301/MS&T (5)

[Turn over

9. (a) What are web browsers? Give examples. 2
- (b) What is e-mail? Name at least two e-mail clients. 3
- (c) What are the different types of VR systems? 4
10. What are the different features that should be available in an Authoring Tool? 9

