Total No. of Questions : 11   Total No. of Printed Pages : 6

SH-366

M.Sc. IIIrd Semester

Examination, 2015-16

Computer Science

Paper - II

Multimedia Tools & Application

Time : 3 Hours]   [Maximum Marks : 85

Note :- Attempt all questions.

SECTION - 'A'

Objective Type Questions   1×10=10

1. Choose the correct answer :

   (i)   Which of these is not likely to be the responsiblity of a multimedia project :

   (a)   Create interfaces

   (b)   Ensure the visual consistency of the project

                                    P.T.O.

   (c)   Structure Centent

   (d)   Create budgets and limelines for the project

   (ii) MIDI stand s for :

   (a)   Musical Instrument Digital Interface

   (b)   Musical Instrument Digital Instruction

   (c)   Musical Instrument Design Interface

   (iii) Hardware that Creates sound from a mathematical representation :

   (a)   Speakers

   (b)   Sound Synthesizer

   (c)   Set top box

   (d)   Stampers

   (iv) A multimedia file :

   (a)   Is same as any other regular file

   (b)   Stored on remote server can not be delivered to its client

   (c)   Must be accessed at specific rate

   (d)   None

   (v)   The delay that occur during the playback of a stream is called :

(a) Stream delay

(b) Playback delay

(c) Event delay

(d) Jitter   onlineBU.com

SECTION - 'B'

Short Answer Type Questions   5×5=25

2. What do you mean by multimedia ? Why OLE is necessary in multimedia ?

OR

Write short notes on :-

(a) Vector & Raster Graphics

(b) RTF & HTML Text

3. What is Sound ? Explain Analog & Digital Sound in bref ?

OR

What is animation ? What do you mean by 2-D and 3-D animation ?   onlineBU.com

4. How the digitization of analog video to digital video is done ? Also differentiate between Interlacing & Non Interlacing ?

OR

Discuss about various video editing & movie moking tools in brief ?   onlineBU.com

5. Explain various format of CD'S and DVD's in brief ?

OR

Discuss any multimedia product under the following leadings :-

(i) Testing

(ii) Designing

(iii) Distribution

6. Explain the concept of virtual reality on the web in detail ?

OR

Why multimedia is neccessary for web application ? Explain in details.

SECTION - 'C'

Long Answer Type Questions   5×10=50

7. Explain multimedia elements in details ? Give an overview of the multimedia software tools ?   onlineBU.com

OR

Explain various image file format with extension name. Also define image capturing method in details ?

8. What do you mean by digital sound ? Give overview of various sound file format on PC. Explain the following :-

(i) Sampling   onlineBU.com

(ii) Frequency

(iii) Sound depth

OR

Explain the following animation software in details :-

(i) Animation pro.

(ii) 3-D Studio

(iii) Paint shop pro.

9. Write short notes on the following :-

(i) NTSC

(ii) PAL

(iii) SECAM   onlineBU.com

(iv) HDTV

OR

What do you mean by digital video compression techniques. What are various video file format are used in multimedia ?

10. What is multimedia authoring tools ? Explain the different types of multimedia authoring tools ?

onlineBU.com   **OR**

What do you mean by planning and distribution of a multimedia project ? What are the stages in designing & producing multimedia product for CD.

11. Write short notes on :-

(i) Audio support on the web

(ii) Graphics support in HTML

(iii) Image Map

OR

Differentiate the following :-   onlineBU.com

(i) Dynamic v/s Embedded font technology

(ii) Band width Relationship v/s Broadband Technologies.

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