Previous Year (2018) Question Paper of Multimedia Technology BCA-0603

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Total No. of Questions : 23]   [Total No. of Printed Pages : 4

(1048)

B.C.A. (CBCS) RUSA VIth Semester Examination

4039

MULTIMEDIA TECHNOLOGY

Paper : BCA0603

Time : 3 Hours]   [Maximum Marks : 70

Note :– The question paper contains *two* Parts. Part–A has 15 questions all of which are compulsory. Part–B has *four* Units. The candidates are required to attempt *one* question each from each of these *four* Units.

Part–A

(Compulsory Question)

1. Which one of the following is the characteristic of a multimedia system ?

    (a)   High storage

    (b)   High data rates

    (c)   Both (a) and (b)

    (d)   None of the mentioned   1

2. The delay that occur during the playback of a stream is called :

   (a) Stream delay
   (b) Playback delay
   (c) Jitter
   (d) Event delay   1

3. Multimedia system require hard real time scheduling :

   (a) to ensure critical tasks will be serviced within timing deadlines

   (b) to deliver the media file to the client

   (c) to minimize the delay

   (d) for security   1

4. A video consists of a sequence of :

   (a) Frames
   (b) Signals
   (c) Packets
   (d) Slots   1

5. A graphic image file name is tree.eps. This file is a bitmap image.   (True/False)   1

6. JPEG is an acronym for .... and is a file format for   1

7. With reference to multimedia elements, pick the odd-one out of the following :

   (a) Graphics
   (b) Animation
   (c) Audio
   (d) Video
   (e) Voice script   1

8. Which of the following is NOT a video file extension :

   MP4, AVI, QT, JPG, and MOV ?   1

9. A most basic skill a person requires to pursue an animation career is .... skills.   1

10. With appropriate software and more than one GIF image, you can create a GIF animation. (True/False)   1

11. Discuss about sound and its attributes.   4

12. Write a short note on GIF construction set.   4

13. Discuss about innovative input devices.   4

14. What is Hypertext ? Explain any *four* elements of Hyertext.   4

15. Discuss about copyright issues in Multimedia.   4

Part–B (Unit–I)   10 each

16. Explain the need for development of multimedia applications. List any *five* basic hardware and software requirements for any multimedia system.

17. Explain the following terms :

    (a)   Application of Multimedia in Education

    (b)   Use of frames in Web Page Design

(Unit–II)   10 each

18. Write short notes on the following :

    (a)   Analog Sound

    (b)   Digital Sound

    (c)   Lossless Audio Formats

    (d)   Lossy Audio Formats

19. Explain the following terms :

    (a)   Sound editing tools

    (b)   Raster and Random Scan

<div align="center">(Unit–III)   10 each</div>

20. (a)   Expand the following abbreviations of file formats :

        (i)   GIF   (ii)   JPEG

        (iii) MPEG   (iv)   TIFF

        (v)   BMP

    (b)   Expalin any two of the following :

        (i)   Compression in digital video

        (ii)   Authoring tools

        (iii) Morphing

21. Write short notes on the following :

    (a)   Animation

    (b)   Software Tools for the Animation

<div align="center">(Unit–IV)   10 each</div>

22. (a)   Discuss about Graphics Accelerator Card.

    (b)   Explain about the Field of Virtual Reality and its applications.

23. Explain four features of Digital Video Standards. Also, explain why it is increasingly used in current application. Explain two differences in the functions of Digital Video and CD-ROM.