00694 | CS-66 |

BACHELOR OF COMPUTER APPLICATIONS
(BCA) (Pre-Revised)

Term-End Examination, 2019

CS-66 : MULTIMEDIA

Time : 2 Hours   Maximum Marks : 60

Note : Question No. 1 is compulsory. Attempt **any three** questions from the rest.

1. (a)   Explain the term Multimedia. How is multimedia different from video programs ? Explain with the help of an example.   [5]

    (b)   How can multimedia be used for enhancing learning experience of students ? Explain with the help of an example in the context of programming domain.   [5]

    (c)   What is the need of Hypertext ? Define the terms-nodes and links in the context of hypertext.   [5]

(d) A multimedia application is to be designed for promoting a workshop on development of BCA Project. Plan the multimedia application illustrating the following steps of multimedia development :

(i) Define the goal [2+4+4=10]

(ii) Create an outline

(iii) Draw the logic flowchart

(e) What is MIDI in the context of Multimedia ? How can it be useful for multimedia development ?

[5]

2. (a) What are the uses of Animation in Multimedia ? Explain the Cel animation. [5]

(b) Differentiate between Bitmap and Vector images. List advantages of using vector images over bitmap images. [5]

3. Explain the uses of following multimedia services : [10]

(i) Video on demand

(ii) Home shopping

(iii)   Electronic Newspapers

(iv)   Digital Multimedia Libraries

4.   (a)   What is the purpose of authoring tools of multimedia ? List advantages of using authoring tools.   [5]

(b)   Explain the role of hypertext in creating online help system.   [5]

5.   Explain **any four** of the following terms in the context of multimedia :   [2½x4=10]

(a)   Linear interactivity in an application

(b)   Usages of sound in an application

(c)   Cross-platform capability

(d)   Video conferencing

(e)   Uses of DVD

----- x -----