(i)   Printed Pages : 3

(ii) Questions : 9

Bachelor of Computer Applications 1st Semester

(2123)

COMPUTER FUNDAMENTALS AND COMPUTING SOFTWARE

Paper—BCA-16-103

Time Allowed : Three Hours]   [Maximum Marks : 65

Note :— Candidate is required to attempt *five* questions in all including Question No. **9** (which is compulsory) and attempt remaining *four* questions by selecting *one* question from each Section.

SECTION—A

1. (a) Compare and contrast the characteristics and applications of microcomputers, minicomputers, mainframe computers, and supercomputers.   7

    (b) Define and differentiate between RAM, ROM, PROM, and EPROM.   6

2. (a) Define and compare different types of translators, such as interpreters, compilers, and assemblers.   7

    (b) Describe the input devices used in computer systems, such as keyboards, mice, and scanners.   6

SECTION—B

3. (a) Explain the purpose and functionality of several internal commands in DOS, such as DIR, MD, TYPE, VER and VOL. 7

   (b) Explain the booting sequence in DOS, highlighting the key steps involved in starting up a computer and launching the operating system. 6

4. (a) Discuss the significance of CONFIG.SYS and AUTOEXEC.BAT files in DOS. Explain their roles in system configuration and startup processes. 7

   (b) Discuss the various categories and subcategories within the Control Panel and provide examples of tasks that can be accomplished through the Control Panel. 6

SECTION—C

5. (a) Explain the process of renaming and deleting files within a word processing package. Discuss the precautions and considerations when performing these operations. 7

   (b) Discuss various ways to change document views and navigate quickly through a document, enhancing user productivity and efficiency. 6

6. (a) Explain how to format text using styles, format paragraphs, format characters, and use autoformatting. 7

   (b) Provide a step-by-step guide on creating a table of contents, indexes, and bibliographies within a document. 6

SECTION—D

7. (a) Describe the steps involved in opening and saving spreadsheet files. Discuss the importance of proper file management in spreadsheet work. 7

   (b) Discuss strategies to speed up data entry in spreadsheets, such as using the fill tool, fill series, and defining custom fill series. 6

8. (a) Describe the steps for sorting records in a spreadsheet. How can users efficiently organize data for analysis ? 7

   (b) Discuss the steps involved in creating a presentation using a presentation package. How can users structure and design their presentations effectively ? 6

(Compulsory Question)

9. (a) Explain macros in context of spreadsheet. 3

   (b) What is animation, and how is it incorporated into presentations ? 2

   (c) Explain the concept of cell referencing. 2

   (d) What are some common applications of computers ? 2

   (e) What is computer memory, and how is it measured ? 2

   (f) Give examples of memory storage devices. 2