



424980

OECS111

Reg. No.

--	--	--	--	--	--	--	--

I Semester B.A./B.Sc./B.B.A./B.Com./Degree Examination,  
January/February- 2025

COMPUTER SCIENCE

Journey Into Computer Fundamentals and C Programming Concepts  
(NEP Scheme)(R)



Time : 2½ Hours

Maximum Marks : 60

**Instructions to Candidates:**

Answer any Four questions from each section.

**SECTION - A**

Answer any FOUR questions. Each question carries 2 marks. (4×2=8)

1. Define system software. Give an example.
2. What is Compiler?
3. What is an octal number system?
4. Convert  $(65)_{10} = ( )_2$ .
5. List the different data types in C.
6. Define variable and constant.

**SECTION - B**

Answer any FOUR questions. Each question carries 5 marks. (4×5=20)

7. Define Virus. Explain types of Viruses.
8. Define algorithm and flow chart with an example.
9. What is meant by number system and explain different types of number system?
10. Explain the functions of operating system.
11. What is a file? Explain file operations.
12. Explain the various form of if statement with an example.

[P.T.O.]



Answer any FOUR questions. Each question carries 8 marks. (4×8=32)

13. Define software. Explain the different categories of software with an example.
14. Convert the following
  - a)  $(10011011)_2 = ( \quad )_8$  and  $( \quad )_{16}$
  - b)  $(4B)_{16} = ( \quad )_2$  and  $( \quad )_8$
15. Define operating system. Explain the types of operating system.
16. Write the applications of windows in detail.
17. Explain the different types of operators in C.
18. Explain switch-case, break and continue statements with an example.