



OECS111

Reg. No.

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I Semester B.A./B.Sc./B.B.A./B.Com. Degree Examination, April - 2023

COMPUTER SCIENCE (Open Elective)

Journey Into Computer Fundamentals and C-Programming Concepts

(NEP Scheme 2021 onwards)

Time : 2½ Hours

Maximum Marks : 60

*Instructions to Candidates:*

Answer any **FOUR** questions from each part.

**PART - A**



**I** Answer any **FOUR** questions.

(4×2=8)

1. What is an application software? Give example.
2. Write the steps to convert octal number to decimal.
3. List any two objectives of operating system.
4. What are keywords? List any two keywords in 'C' Language.
5. Write any four features of 'C' language.
6. Write the different data types of 'C' language.

**PART - B**

**II** Answer any **FOUR** questions.

(4×5=20)

7. Explain program translating system software.
8. Explain any three types of number system.
9. Briefly explain file and folder operations in computers.
10. Define variable. How do you declare and initialize a variable in 'C' programming?

[P.T.O.]



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OECS111

11. Explain printf() and scanf() statements in 'C' programming.
12. Explain break and continue statements with example.

**PART - C**

**III. Answer any FOUR questions.**

**(4×8=32)**

13. With flowchart and Algorithm explain how do you perform arithmetic operations.
  14. Solve the following.
    - a)  $(43)_{10}$  to  $( )_2$  and  $( )_8$ . (4)
    - b)  $1011001010_{(2)}$  to  $( )_8$  and  $( )_{10}$ . (4)
  15. a) Write a note on : (4)
    - i) Notepad
    - ii) Calculator
  - b) List any four functions of operating system. (4)
  16. Explain the structure of 'C' program with an example.
  17. Briefly explain any two types of operators with example.
  18. Explain looping control structure used in 'C' programming.
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