

Roll No. _____

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BSC-I-001
B.Sc. I Semester (NEP) Degree Examination
COMPUTER SCIENCE
Computer Fundamentals and Programming in 'C'
Paper : CSDSCIT

Time : 2 Hours

Instructions to Candidates:

Maximum Marks : 60

Attempt All the Sections

SECTION - A

Answer any Five of the following questions.

(5×2=10)

- 1) What is Computer?
- 2) Define Software.
- 3) What are the types of Computer languages?
- 4) What is Keyword?
- 5) Define Constant.
- 6) What is Pointer?
- 7) Define structure.

SECTION - B

Answer any Four of the following questions.

(4×5=20)

- 8) What are the characteristics of Computer? Explain.
- 9) Convert the following binary numbers into decimal.
i) $101011_{(2)}$ ii) $11011011_{(2)}$
- 10) What are the types of control statements? Explain any one with syntax.
- 11) How do you declare one dimensional array? Explain the initialization of an array with example.
- 12) What are the types of parameter passing mechanisms. Explain.
- 13) Write a program to illustrate structure.

SECTION - C

Answer any Three of the following questions.

(3×10=30)

- 14) Draw the block diagram of Computer and explain in detail.
- 15) Explain the structure of a program with example.
- 16) Explain the types of if statements with suitable example.
- 17) Write an algorithm flowchart and program to find the largest of three numbers.
- 18) What are the categories of functions? Explain.