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This question paper contains 2 printed pages]

NEPVD—101—2024

FACULTY OF SCIENCE & TECHNOLOGY

B.Sc. (CS) (First Year) (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2024

(NEP 2020)

COMPUTER SCIENCE

SCSCCT-1101

(Logic Building Using C)

(Friday, 13-12-2024)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Question No. 1 is compulsory.

(ii) Attempt any three questions from Q. No. 2 to Q. No. 5.

(iii) Figures to the right indicate full marks.

(iv) Assume suitable data if necessary.

1. Attempt the following : 10

(a) Explain primary data types.

(b) Explain interpreter in detail.

(c) Explain continue statement with example.

(d) Explain one-dimensional array declaration in detail.

(e) Explain bitwise operators.

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NEPVD—101—2024

2. Attempt the following (any two) : 10

(a) How compiler differ from interpreter ?

(b) Explain assembly level language in detail.

(c) Explain advantages of high level language.

3. Attempt any two of the following : 10

(a) Explain flow chart with symbols.

(b) Explain ++ and -- operators.

(c) Write a program to calculate area of circle.

4. Attempt any two of the following : 10

(a) Explain switch statement with syntax and example.

(b) How do-while loop differ from while loop ?

(c) Write a program in C to calculate factorial of given number.

5. Attempt any two of the following : 10

(a) How one-dimensional array is declared and initialized ?

(b) How array is passed to function ?

(c) Write a program to sort array in ascending order.

NEPVD—101—2024

2

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