



DCCA – 102



I Semester B.C.A. Degree Examination, February/March 2023

(NEP Scheme)

COMPUTER APPLICATIONS

CAC 02 : Programming in C

Time : 2½ Hours

Max. Marks : 60

Instruction : Answer *all* the Sections.

SECTION – A

I. Answer **any 6** questions. **Each** question carries **2** marks. **(6×2=12)**

- 1) What is C token ? Mention its types.
- 2) Write the memory size of char, int, float and double data types.
- 3) Write the difference between == and = operator.
- 4) What is type casting ?
- 5) What is one dimensional arrays ? Give the syntax.
- 6) Define character with an example.
- 7) What is pointer ? Give an example.
- 8) What is an actual and formal arguments ?
- 9) Define structure. Give its syntax.

SECTION – B

II. Answer **any 4** questions. **Each** question carries **6** marks. **(4×6=24)**

- 10) Explain the basic structure of C program with an example.
- 11) Explain the classification of constants.
- 12) Explain any three types of operators with an example.
- 13) Explain two dimensional arrays with syntax and example.
- 14) Mention the advantages and disadvantages of pointers.
- 15) Explain function with parameters and return type with an example.

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SECTION – C

- III. Answer **any 3** questions. **Each** question carries **8** marks. **(3×8=24)**
- 16) With an example explain getchar(), putchar(), gets() and puts() functions. **8**
- 17) a) Explain switch case statement with syntax and example. **6**
b) Differentiate between break and continue statement. **2**
- 18) a) Explain if_else statement with syntax and example. **4**
b) Explain do_while loop with suitable program. **4**
- 19) Write a C program to demonstrate string functions. **8**
- 20) Explain the components of user defined function in detail. **8**
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