



DCCS – 101

I Semester B.Sc. Degree Examination, February/March 2024

(NEP) (Freshers and Repeaters)

COMPUTER SCIENCE (Paper – 1)

DSC – 1 : Computer Fundamentals and 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) Write the characteristic of computer.
- 2) What is compiler ?
- 3) Write a note on getchar() and putchar() in C.
- 4) Write the syntax of the if-else statement in C.
- 5) Write a note on break statement.
- 6) What is a string ?
- 7) What is pointer ?
- 8) Mention the advantages of union.
- 9) What is a function ?



SECTION – B

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

- 10) Write a note on computer languages.
- 11) Write the features of C program.
- 12) Write a note on relational and logical operators in C.
- 13) Explain for loop with syntax and example.
- 14) Write a note character handling functions.
- 15) Write the syntax of structure with example.

P.T.O.



SECTION - C

III. Answer **any 3** questions, **each** question carries **8** marks.

(3×8=24)

16) Convert the following :

a) $(10110)_2 = ()_8$

2

b) $(321)_8 = ()_{10}$

2

c) $(145)_{10} = ()_2$

2

d) $(A6)_{16} = ()_{10}$

2

17) Write the structure of C program with example.

18) Explain switch-case statements in C with example.

19) Explain the concepts of arrays with example.

20) Explain the components of user-defined function.



(4×8=32)