306382 **DCCA-102**

I Semester B.C.A. Degree Examination, December/January - 2025/26
(NEP Scheme Repeaters)
COMPUTER APPLICATIONS
Programming in C
Paper - CAC02

NEW HORIZON COLLEGE LIBRARY KASTURINAGAR BANGALORE-43

Time : 2½ Hours **Maximum Marks : 60**

***Instructions*:**

Answer All the Sections.

SECTION - A

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

1. What are symbolic constants?
2. Differentiate between getchar() and putchar().
3. What is operator precedence?
4. Define continue statement.
5. What is one dimensional array?
6. Define strings.
7. What are pointers?
8. What is function prototype?
9. Define structure.

SECTION - B

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

10. Write a note on creating and executing a C program.
11. What is type conversion? Explain its types?

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12. Explain switch case statement with an example.

13. Explain any three character functions with an example.

14. Write a program to demonstrate pointers in C.

15. What is user defined functions? Explain with an example.

SECTION - C

III. Answer any Three questions. Each question carries 8 marks. **(3×8=24)**

16. a) Briefly discuss the features of C. **(4)**
    b) Explain formatted input and output functions. **(4)**

17. Explain any four types of operators in C with an example. **(8)**

18. a) Write a note on memory representation of two dimensional arrays. **(4)**
    b) Explain any four string functions with an example. **(4)**

19. a) Write the advantages and disadvantages of pointers. **(4)**
    b) Explain while loop statement with syntax and example. **(4)**

20. a) Write a note on components of user defined functions. **(4)**
    b) What is union? Explain with example. **(4)**
