UNIVERSITY OF NORTH BENGAL

BCA Honours 1st Semester Examination, 2022

CC1-BACHELOR OF COMPUTER APPLICATION (12)

PROGRAMMING IN C

Time Allotted: 2 Hours   Full Marks: 40

The figures in the margin indicate full marks.
Answer all questions with internal choices.

1.   Answer any *five* questions: 1×5 = 5

(a) What is an escape sequence?

(b) What is the use of "extern" keyword?

(c) What is preprocessor?

(d) Differentiate between getchar() and getch().

(e) What is pointer?

(f) What are non-primitive data types?

(g) What is the use of typedef?

(h) What is the use of fseek()?

2.   Answer any *three* questions: 5×3 = 15

(a) What are enumerated data types? Give an example.

(b) What does a storage class mean? Discuss different storage classes available in C.

(c) Discuss the difference between procedural and function with example.

(d) Explain about different parameter passing mechanism with examples.

(e) Explain primary data types used in C with example.

3.   Answer any *two* questions: 10×2 = 20

(a) List and explain the different types of looping structure available in C with suitable example.

(b) Explain about different string manipulation functions with examples.

(c) What is dynamic memory management? Explain different dynamic memory management functions available in C language.

(d) What is an array? What are the disadvantages of an array? Explain different ways of initializing the arrays with example.

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