FYUG PROGRAMME EXAMINATIONS, NOVEMBER 2024
(2024 Admission Regular)
SEMESTER I – MAJOR (BCA)
CP1DSC01B24 – FUNDAMENTALS OF PROGRAMMING USING C

Time: 2 Hours   Maximum Marks: 70

PART A

I.   Answer all questions. Each question carries 2 marks

Q.No:	QUESTIONS	CO	LEVEL
1.	Describe user defined function.	4	U
2.	Create an algorithm to find area of a rectangle.	1	U
3.	Identify the features of a pointer variable.	4	R
4.	Define operators and list out types of operators.	2	U
5.	Compare direct and indirect recursion.	4	U
6.	List out the names of different language translators.	1	R
7.	Define the term type casting.	2	U
8.	Distinguish between goto and break statement.	3	U
9.	List out the characteristics of a good programming language.	1	R
10.	Explain the use nested if statement.	3	U

(10x2=20)

PART B

II. Answer any 5 questions. Each question carries 6 marks

Q.No:	QUESTIONS	CO	LEVEL
11.	Explain entry controlled and exit controlled loops.	3	U
12.	Briefly explain about type conversion in C.	2	U

13.	Write a short note about types of errors.	1	U
14.	Write a C program to perform the functions of arithmetic operations of a calculator using switch statement.	3	Ap
15.	Distinguish between array and structure with the help of examples.	4	U
16.	Explain different storage classes in C.	4	U
17.	Explain how to pass argument to function with example.	4	U

(5x6=30)

PART C

III. Answer any 2 questions. Each question carries 10 marks.

Q.No:	QUESTIONS	CO	LEVEL
18.	Explain various control structures used in a programming language.	3	U
19.	Explain different tokens in C language.	2	U
20.	Develop a C program to find the area of different shapes using used defined functions.	4	Ap

(2x10=20)

CO : Course Outcomes Level : R – Remember, U – Understand, Ap- Apply, An- Analyze,

E- Evaluate, C- Create