

FYUG PROGRAMME EXAMINATIONS, NOVEMBER 2024
(2024 Admission Regular)
SEMESTER I – MINOR C COURSE (Computer Applications)
CA1DSCB101B24 – Foundations of Programming and Artificial Intelligence

Time: 1.5 Hours

Maximum Marks: 50

PART A

I. Answer all questions (MCQ). Each question carries 1 mark

Q.No:	QUESTIONS	CO	LEVEL
1.	Each instruction in C program is terminated by a) dot(.) b) comma (,) c) semi-colon (;) d) curly brace ({})	1	A
2.	The C language has been developed by a) Patrick Naughton b) Dennis Ritchie c) Ken Thompson d) Martin Richard	1	A
3.	The C programming is a a) high-level language b) low level language c) middle level language d) assembly language	1	A
4.	The variable is initialized using a) greater than (>) b) equal to(=) c) twice equal to (==) d) increment (++)	1	A
5.	Consider the array declaration <code>int a [] = {5,7,0,2,5,4,6};</code> then the value of <code>a[5]</code> is. a) 5 b) null c) 6 d) 4	2	C

(5x1=5)

III. Answer all questions in one word. Each question carries 1 mark

Q.No:	QUESTIONS	CO	LEVEL
6.	Discuss the limitations of switch case statement.	2	C
7.	Write the syntax of the Function in C Language.	2	C
8.	Define null statement.	1	A
9.	Rewrite the following program in the correct format. <pre>void main() { int i,num[]={23,78,95,87,56,34} for(i=1;i<=5;i++) { Printf("%d",num[i]);</pre>	2	C

	}}		
10.	Write the important predefined functions in C.	3	U

(5x1=5)

PART B

III. Answer any six questions in one paragraph. Each question carries 5 marks.

Q.No:	QUESTIONS	CO	LEVEL
11.	Write a short note about the operators available in C language.	2	C
12.	Explain the different data types.	2	U, C
13.	Explain the difference between a for loop and a while loop with example.	2	U, C
14.	Explain the pre-processor and compiler.	1	A
15.	Write the comparison between printf() and scanf().	1	A
16.	Write the differences between operators and literals.	1	A
17.	Write a C program to add any two integer numbers .	1	A
18.	Write a short note about AI.	2	C

(6x5=30)

PART C

IV. Answer any one question. The question carries 10 marks.

Q.No:	QUESTIONS	CO	LEVEL
19.	Explain the working of function, with an example.	2	U, C
20.	Discuss the types of artificial intelligence.	2	U, C

(1x10=10)

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