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Subject Code:ACSBS0302

Roll No: | | | | | | | | | | | | |

NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY ,GREATER NOIDA

(An Autonomous Institute Affiliated to AKTU, Lucknow)

B.Tech, CSBS

(SEM:IIISESSIONAL EXAMINATION –I)(2021-2022)

Subject Name:Object Oriented Programming

Time: 1.15Hours [SET-A] **Max. Marks:30**

General Instructions:

- All questions are compulsory. Answers should be brief and to the point.
- This Question paper consists of 2 pages &5 questions.
- It comprises of three Sections, A, B, and C. You have to attempt all the sections.
- **Section A** -Question No- 1 is objective type questions carrying 1 mark each, Question No- 2 is very short answer type carrying 2 mark each. You are expected to answer them as directed.
- **Section B** - Question No-3 is Short answer type questions carrying 5 marks each. You need to attempt any two out of three questions given.
- **Section C** -Question No. 4 &5are Long answer type (within unit choice) questions carrying 6marks each. You need to attempt any one part *a* or*b*.
- Students are instructed to cross the blank sheets before handing over the answer sheet to the invigilator.
- No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.

		SECTION – A	**[8]**	
1.		***Attempt all parts:***	**(4×1=4)**	**CO**
	a.	In C/C++, two integers can be swapped using minimum 1. 0 extra variable 2. 1 extra variable 3. 2 extra variable 4. 3 extra variable	**(1)**	**CO1**
	b.	"continue" statement is used to : 1. continue to the next line of code 2. debug a program 3. stop the current iteration and begin the iteration from the beginning of next the loop 4. None of the above	**(1)**	**CO1**
	c.	Which of the following statement is equivalent to x= a++ * b;	**(1)**	**CO1**

		1) =a+1;
		x=x*b;
		2) x=a*b;
		a=a+1;
		3) x=a*b;
		x=x+1;
		4) None		

	d.	Which of the following is not a keyword in c? 1. Extern 2. Const 3. Register 4. All of these are keywords	(1)	CO1
2.		*Attempt all parts:*	(2×2=4)	CO
	a.	Differentiate between while and do-while loop.	(2)	CO1
	b.	What is operator precedence and operator associativity.	(2)	CO1
		SECTION – B		
3.		*Answer any <u>two</u>of the following-*	[2×5=10]	CO
	a.	Write a program to implement bitwise operators.	(5)	CO1
	b.	WAP to find the greatest of three numbers.	(5)	CO1
	c.	WAP to print the sum of all numbers of a given number.	(5)	CO1
		SECTION – C	[12]	
4		*Answer any <u>one</u> of the following:(Any one can be applicative if applicable)*	[2×6=12]	CO
	a.	WAP to convert the lower case characters to upper case character. Also, explain the program.	(6)	CO1
	b.	Define the switch statement. Also write the characteristics of switch statement. Write a menu driven program to simulate the calculator.	(6)	CO1
5.		*Answer any <u>one</u> of the following:*		
	a.	WAP to print Armstrong numbers from 100 to 999.	(6)	CO1
	b.	WAP to print following pattern * * * * * * * * * *	(6)	CO1