This question paper contains 3 printed pages]

## **B-456-2019**

## FACULTY OF SCIENCE AND TECHNOLOGY

## B.Sc. (First Year) (First Semester) EXAMINATION

## MARCH/APRIL, 2019

COMPUTER SCIENCE

(Problem Solving Using Computer)

(MCQ & Theory)

Time: 10.00 a.m. to 12.00 noon (Tuesday, 30-4-2019) Time—2 Hours Maximum Marks—40 N.B. : (i)Attempt *All* questions. (ii)Assume suitable data, if necessary. **MCQ** Solve all MCQ given below: 1. 10 (*i*) ALU stands for: (a) Algorithm Logical Unit Arthmetic and Logical Unit (b) (c) Algebric and Logic Unit None of the above (d) ..... is an output unit. (ii)Printer Keyboard (a) (b) None of these (c) CPU (*d*)

(*b*)

(*d*)

Problem definition phase

None of these

Dynamic programming

Stepwise refinement

(a)

(c)

WT				(3)		B-456-2	019
	(x) is a set of explicit and unambiguous i						tion
		expressed in programming language.					
		(a)	Problem		( <i>b</i> )	Algorithm	
		(c)	Program	<u> </u>	(d)	Flow chart	
				Theory			
2.	(a)	Draw and explain the block diagram of computer.					5
	( <i>b</i> )	Write an algorithm for summation of set of number.					
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	(c)	Explain any two Input device.					5
	(d)	Discuss analysis of an algorithm.					5
3.	(a)	Write an algorithm to display factorial of given number.					5
	( <i>b</i> )	What is flow chart? Explain the different symbol usual in flow chart.					
				Or			
	(c)	Write an algorithm to check the given number is prime or not.					5
	(d)	Explain array reversal algorithm.					5
4.	(a)	Explain linear search with one example.					10
29.06				Or	5		
	(b)	What	t is Sorting?	Explain selec	tion so	ort with an example.	10