This question paper contains 3 printed pages]

## BF-372-2016

## FACULTY OF SCIENCE

## B.Sc. (First Year) (First Semester) EXAMINATION NOVEMBER/DECEMBER, 2016

(Old Course)

## COMPUTER SCIENCE

Paper II

(Fundamental of Computer Programming)

(MCQ + Theory)

(Saturday, 3-12-2016)  Time—2 Hours					Time: 10.00 a.m. to 12.00 noon  Maximum Marks—10+30=40	
	(i	i) A	Assume suitable data, i	f necess	sary.	
	E		M	CQ	10	
1.	Select	t the	correct answer for the			
4	(1)	An Algorithm consists of set of			and unambigous finite	
		steps				
		(A)	Ambigious	(B)	Explicit	
		(C)	Implicit	(D)	None of these	
	(2)	Set	of instruction is called a	ıs		
		(A)	Algorithm	(B)	Program	
		(C)	Flowchart	(D)	Data	
	(3) Preliminary investigation may be				nought of as phase	
SANA CO		(A)	Problem definition	(B)	Analysis	
CAN CONTRACTOR	WAY TO	( <b>C</b> )	Design	(D)	Implementation	

P.T.O.

WT		(3) BF $-372-20$	316
		Theory	
2.	Expla	in in detail problem solving aspects.	10
		Or	
	(a)	Write an algorithm to generate the Fibonacci series.	5
	( <i>b</i> )	Write an algorithm to find smallest element from an array.	5
3.	Discus	ss in detail Binary and Linear search.	10
	(a)	Write an algorithm for GCD of two numbers.	5
	( <i>b</i> )	Explain in brief algorithm for left and right justification of text.	. 5
4.	Write	short notes on (any two):	10
	(a)	Flowchart	
	( <i>b</i> )	Selection sort technique	
	(c)	Arrays	
	(d)	Program verification.	