This question paper contains 2 printed pages]

AA-30-2019

FACULTY OF COMPUTER SCIENCE

B.Sc. (Third Semester) EXAMINATION OCTOBER/NOVEMBER, 2019

(Revised Course)

COMPUTER SCIENCE

Paper I

(System Programming and Operating System)

(We	dnesd	ay, 16-10-2019)	Time: 2.00 p.m. to 5.00 p.m.	
Time—3 Hours			Maximum Marks—80	
N.B	. :—	(i) All questions are compulsory.	2	
	(ii) Draw diagram wherever necessary.		
1.	Attempt the following:		20	
	(a)	Explain application software and system	software.	
	(b) s	Explain advantages of assembler.		
	(c)	What is interpreter?		
A	(d)	Explain elements of assembly language	programming.	
2.	(a)	Explain pass structure of assembler.	8	
	(b)	Explain design of editor.	7	
		Or		
3000	(c)	Explain elements of programming langua	age environment. 8	
STAN STAN	(d)	Explain data structure of assembler.	7	
3.	(a)	What is macro? Explain macro expansion	on. 8	
	(b)	Explain compilation of expression.	7	
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		Or A CONTRACTOR OF THE PARTY OF		2, 25
	(c)	Explain expansion time variable with example.		8
	(d)	Explain design of macro pre-processor.	500 00 V	77
4.	(a)	Explain code optimization with its advantages.		8
	(<i>b</i>)	Explain data structure used for macro preprocessor.		
	(c)	Explain phases of compiler.		8
	(d)	Explain design of editor.		7
5.	Write	notes on (any three):		15
	(a)	Nested macro calls		
	(<i>b</i>)	Advanced assembler directives		
	(c)	Constant and literals		
	(d)	Advance text editor		
	(e)	Preprocessor.		