B.Sc. (Part—I) Semester—I (New) Examination COMPUTER SCIENCE OR COMPUTER APPLICATION OR INFORMATION TECHNOLOGY—I

(Fundamentals of Information Technology and C-Programming)

in	ne : Th	ree I	Iour	s]				[Maximun	n Ma	arks :	80
	Not	e :—	(1)	All questions are	e compulsory.						
			(2)	Question No. 1	carries 8 marks and	d all c	ther question	s carry 12 m	arks	each	1.
			(3)	Assume suitable	data wherever nece	essary	in the feature.				
			(4)		hes and diagrams w						
	(1)	EIII :		e blanks :	et compequen						
	(A)	(i)			nd Star topology						
		(ii)			type of printe						
		(iii)			rator && is						
		(iv)			s known as formatt						2
	(B)	` '		he correct alterna			A Sanational Control				
		(i)	14353	STORY TAXABLE DESCRIPTION	f preprocessor direc						
			(a)	%	State the features or	(b)	rikaniba ba				
			(c)	#	80	(d)					
		(ii)	In C	C, operator	_ is known as decr	remer	nt operator.				
			(a)	++	and the season of the season o	(b)	==	Maga			
			(c)	poviu s to leram		(d)	wer(1 fined			(0)	
		(iii)	Foll	lowing is an exan	aple of operating sys	stem:	ol bas Isnoris				
			(a)	Google		terrain la	Unix	osel dalumnit			
			(c)	PUBG		` ′	None of the	se			
		(iv)	-		e program and exec						
			(a)	Complici	operators to C.7 Ex	(0)	Interpreter				
	, , ,		(c)	Assembler	Magnific High bons	(4)	All of these				2
	(C)				one sentence each:						
		(i)		at is Multitasking	? anortonal O						
		(ii)		at is Internet?				-()ns/192 			
		(iii)		at is Keywords? at is break staten				t postalog			4
)	(A)				ures of fourth genera	ation	computers	it handing			4
	(A) (B)			M is volatile mer		ation	computers.				4
	(C)	WHEN !	Party Es		ware? State the diffe	erence	between system	n software ar	nd ar	polica	
0	(0)		ware		it with example.	ecnali	12 (01)1100 000	HELDESMA STANK		(2)	4

3.	(A)	How do the impact printers work? Explain.	4
	(B)	State and explain the major drawback of first generation computers.	4
	(C)	What is ROM? Explain EPROM and EEPROM.	4
4.	(A)	What is an operating system? Explain the functions of an operating system.	6
	(B)	Explain the following file operations:	
		(i) Open	
		(ii) Append	
		(iii) Rename.	6
		Than ST short products on the being on the Research of the control	
5.	(A)	State and explain the features of Unix Operating System.	6
	(B)	Explain the concept of real time operating system.	6
6.	(A)	Explain the different types of internet connection.	6
	(B)	What is Topology? Explain Bus and Star topology.	6
		OR OR A STANDARD MEAN OF THE PROPERTY OF THE P	
7.	(A)	Explain the history of internet. State the uses/advantages of internet in different areas.	6
2	(B)	What is Domain and URL? What is it used for? Explain.	6
8.	(A)	Define the terms : Compiler, Interpreter and Assembler. Differentiate between Compiler a Interpreter.	and
	(B)	What is structured programming? State the features of 'C'-language.	6
		OR	
9.	(A)	What is an Algorithm? Why is it required in programming process? Explain with example.	an
	(B)	What is Flow-chart? Draw a flow-chart to find the factorial of a given number.	6
10.	(A)	What are the relational and logical operators in 'C'? Explain.	6
		Distinguish between the terms identifiers and keywords.	6
		OR	
11.	(A)	What are increment and decrement operators in C? Explain with example.	6
	(B)	Write a program in C to generate Fibonacci numbers.	6
12.	(A)	Explain nested-if control structure with suitable example.	6
	(B)	Explain the following unformatted I/O functions:	
		(i) getch()	
		(ii) getche()	
		(iii) getchar().	6
		OR hand to several administration of the order of the control of t	
13.	(A)	Write a program in C to print the multiplication table using any looping structure.	6
	(B)	Explain switch-case control statement with example.	6