(i)	Pr	rinted Pages: 2 Roll No	
(ii)	Q	uestions :9 Sub. Code: 0 1 8	6
		Exam. Code: 0 0 0	2
		B.A./B.Sc. (General) 2 <sup>nd</sup> Semester	
		1059 INFORMATION TECHNOLOGY	
		Paper—B: Computer Programming Using C	
Ti	me Al	llowed : Three Hours] [Maximum Marks	: 65
No	te :-	- The students are required to attempt <i>one</i> question	
		from Sections A to D and the compulsory question	n.
-170	DUNIS	SECTION—A	
1.	(a)	Explain the steps in solving a problem on the compu	_
		(b) Explain the following file accessing functi	8
	(b)	What is modular design? What are its benefits?	? 5
2.	(a)	What is purpose of using a programming langua	ge?
		Discuss programming language classification.	8
	(b)	What are the benefits of top-down design? How	it is
		carried out ? Discuss.	5
		SECTION—B	
3.	(a)	What is an operator in C? List various types of operator	ators
		available in C.	8
	(b)	Compare if statement and conditional operator.	5
4.	(a)	What are storage classes? Describe the various t	ypes
		of storage classes in C language.	8
	(b)	Explain briefly the programming constructs for "lo	op"
		with the help of an example.	5
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## SECTION—C

5.	(a)	What are the different ways to pass arguments function? Explain with example.	to a
-	(b)	Explain dynamic memory allocation functions.	5
6.	(a)	What is recursion? What are its benefits? What happen in case the terminating condition is not while performing recursion?	
	(b)	Explain the concept of array of pointers. How useful?	
		up groslugmes SECTION—D moitos moil	
7.	(a)	What is structure? Describe the initializing of struct	ture.
	ndune	How does it differ from array ?	8
	(b)	Explain the following file accessing functions vexample: fopen, fclose.	with 5
8.		What is union? How do you access union membe Explain with example.	ers ?
	(b)	What are Header files? What purpose do they service Discuss any five header files.	ve ? 5
		(Compulsory Question)	
9.	(a)	What is syntax error ?	2
	(b)	Describe the general structure of a C program.	3
	(c)	What is type casting?	2
	(d)	What are local and global variables?	2
	(e)	What are macros in C?	2
	(f)	Explain the '&' and '*' operators.	2
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