

[Time:2.30 Hrs]

[ Marks:75 ]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory.
  2. Figures to the right indicate full marks.
  3. Students answering in the regional language should refer in case of doubt to the main text of the paper in English.

<b>Q. 1.</b>	<b>Attempt any three of the following :</b>	<b>(15)</b>
	(a) What are the types of programming language?	(05)
	(b) Give difference between Compiler and Interpreter.	(05)
	(c) What are the features of C language?	(05)
	(d) Explain the structure of C language.	(05)
	(e) What is Keywords? Explain with example.	(05)
	(f) Write a short note on primary data type.	(05)
<b>Q. 2.</b>	<b>Attempt any three of the following :</b>	<b>(15)</b>
	(a) Write a program in C to find the area of Triangle?	(05)
	(b) Describe the five arithmetic operators in C	(05)
	(c) What do you understand by hierarchy and precedence of operation?	(05)
	(d) What are the Library functions? Explain with example.	(05)
	(e) Explain scanf() and printf() functions in detail.	(05)
	(f) Write a short note on interactive programming?	(05)
<b>Q. 3.</b>	<b>Attempt any three of the following :</b>	<b>(15)</b>
	(a) What is the difference between Switch case and If-else Condition?	(05)
	(b) Write a C program to find if year is leap or not.	(05)
	(c) Explain for loop structure in C?	(05)
	(d) Write a short note on user defined function?	(05)
	(e) Explain call by a value and call by reference?	(05)
	(f) Write a program to calculate area of circle using function.	(05)
<b>Q. 4.</b>	<b>Attempt any three of the following :</b>	<b>(15)</b>
	(a) Explain the meaning of following keywords in C. (i) auto (ii) register (iii) static	(05)
	(b) Write a short note on global variable.	(05)
	(c) What are preprocessor directives in C. Explain # include & # define in C	(05)
	(d) What is array? What are advantages of using array? Discuss two dimensional array?	(05)
	(e) What is string? Explain the following - (i) strcpy( ) (ii) strlen( ) (iii) strcmp ( )	(05)
	(f) Write a Program to find smallest number in the array.	(05)
<b>Q. 5.</b>	<b>Attempt any three of the following :</b>	<b>(15)</b>
	(a) Explain the term pointer with example?	(05)
	(b) What is the difference between “array of pointers” & “pointer arrays”? give examples.	(05)
	(c) What is the difference between call by reference and call by value?	(05)
	(d) Write the difference between structure and union	(05)
	(e) Write a program to store student information using structure.	(05)
	(f) Write a program to calculate addition of two numbers using pointer.	(05)

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