

Jan-2009

P4/RT-Ex-08-423

Con. 238-08.

TT-1265

(3 Hours)

[Total Marks : 100

- N.B. :** (1) Question No. 1 is **compulsory**.
 (2) Attempt any **four** from the remaining.
 (3) **All** questions carry **equal** marks.

1. (a) What are Keywords ? Write ten keywords used in "C" language. 5
- (b) What is a comment statement ? How a comment statement is written in C ? How a comment statement is treated by a compiler ? 5
- (c) Explain purpose of following preprocessor directives : # define, # include ? 5
- (d) What is the structure of a "C" program ? 5

2. (a) What are the differences between signed and unsigned data type ? 10
- (b) What is primitive data type ? What is user defined data type ? Give an example of each type. 10

3. (a) Write a program to accept a string from console and to display the number of vowels in the string. 10
- (b) Write a program an integer from console and to display whether the number is even or odd. 10

4. (a) What is a pointer ? How it is declared and used in a C program ? 10
- (b) What is a struct in C ? How is a struct declared in C ? 10

5. (a) What are different parts of a for construct ? What is behaviour of a for loop where these parts are not provided ? 10
- (b) How is while loop different from do... while loop ? Write a loop logic of your own using both these loop constructs. 10

6. (a) Write a program to accept the radius of a circle from console and to calculate and display its area and circumference. 10
- (b) Write a program to accept five numbers from console and then to display them back on console in ascending order ? 10