



QP CODE: 19101223



19101223

Reg No : .....

Name : .....

**B.Sc.DEGREE (CBCS) EXAMINATION, DECEMBER 2018**

**First Semester**

**Core Course - CS1CRT02 - METHODOLOGY OF PROGRAMMING AND C LANGUAGE**

(Common to B.Sc Computer Applications Model III Triple Main, B.Sc Computer Science Model III,  
B.Sc Information Technology Model III, Bachelor of Computer Application)

**2017 Admission (Reappearance)**

AD18E42C

**Maximum Marks: 80**

**Time: 3 Hours**

**Part A**

Answer any **ten** questions.

Each question carries **2** marks.

1. What is assembly language?
2. What is interpreter?
3. What is testing?
4. Differentiate between keywords and identifiers.
5. What is the purpose of enumerated datatypes?
6. What is the use of continue statement ?
7. What is the use of 'default' in switch statement ?
8. Find a) int x[ ]={10,20,30,40,50}; base address is 8260, location of element 30 is -----  
b) char c[ ]="Hello", 'H' is stored at 8850. Location of 'e' is -----
9. Write short note on how the array elements can be accessed using pointers.
10. Explain the execution of a function
11. Write short note on storage classes.
12. Define a) enum b) type def

(10×2=20)

**Part B**

Answer any **six** questions.

Each question carries **5** marks.

13. List out the advantages and disadvantages of using a flow chart?  
Draw a flowchart to find the cube of a given number.





14. Explain Selection Statements in C with example
15. What are the rules for defining a variable ? How can we declare and initialize a variable?
16. Write down the usage of any five commonly used library functions in C.
17. Write a C program to print the series 1, 3, 9, 27, 81 .....upto a given 'n'.
18. Write a C Program to find the transpose a matrix.
19. What are pointers? Write a program to swap the two values using pointers.
20. Explain different types of recursion?
21. Explain structure and union.

(6×5=30)

### Part C

Answer any **two** questions.

Each question carries **15** marks.

22. (a) Explain the characteristics of a good programming language.  
(b) Draw a flowchart to display the multiples of 5 in between given 'n' and 'm'.
23. Explain a) Type conversions in C.  
      b) Operator precedence and associativity
24. Write a C program to check whether two strings are equal or not without using string handling functions.
25. Write in detail about functions and its various types.

(2×15=30)

