Register No.:		
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799

October 2017

Time - Three hours (Maximum Marks: 75)

- [N.B: (1) Q.No. 8 in PART A and Q.No. 16 in PART B are compulsory. Answer any FOUR questions from the remaining in each PART A and PART B.
 - (2) Answer division (a) or division (b) of each question in PART-C.
 - (3) Each question carries 2 marks in PART A, 3 marks in Part B and 10 marks in PART C.]

PART - A

- 1. What are low level language and high level language?
- 2. List the relational operators in C.
- 3. Write the use of break statement.
- 4. Write the use and syntax of clrscr().
- 5. What is recursion?
- 6. Write the difference between structure and union.
- 7. Write the use and syntax of free() function.
- 8. What are keywords?

PART - B

- 9. Draw any three flowchart symbols with their meaning.
- 10. What are identifiers? Write any two rules for identifiers.
- 11. Write the use and syntax of type cast operator.
- 12. Write the use and syntax of do...while statement.
- 13. Write the use, syntax and example for gets() function.
- 14. What is structure? Write the syntax to define a structure.
- 15. What is union? Write the syntax to define union.
- 16. Explain the use of exp(), pow() and sqrt() functions.

PART - C

17. (a) (i) Explain the structure of C program.

(ii) What is constant? Explain numeric constant with types and example.

(Or)

- (b) How will you compile, link and run a C program? Draw the diagram of program execution process.
- 18. (a) (i) Explain about arithmetic operators and conditional operators in C.

(ii) Explain about nested if...else statement with example.

(Or)

- (b) (i) Explain formatted output statement with an example.
 - (ii) Explain while statement with an example.
- 19. (a) (i) How will you declare and initialise two dimensional arrays?

 (ii) What is function? Write the general form of defining function.

(Or)

- (b) (i) Explain the use and syntax of any five functions in ctype.h.
 - (ii) Explain about any two storage classes with an example.
- 20. (a) (i) Explain arrays of structure with an example.

(ii) Explain structure within structure with an example.

(Or)

- (b) Explain the functions used for dynamic memory allocation with an example.
- (a) (i) Write C program to find sum of series using while loop.(ii) Write C program to find equivalent resistance of three resistances connected in series and parallel.

(Or)

- (b) (i) Write C program to swap the values of two variables.
 - (ii) Write C program to draw the symbol of diode using graphics.