

B.Sc. T.Y. (CBCS Pattern) Semester-V
USELT10 - DSE-1B - Elective-I - Electronics Paper-II (C-Programming-I)

P. Pages : 2

Time : Three Hours



GUG/W/24/13110

Max. Marks : 50

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- Notes : 1. All the questions are compulsory and carry equal marks.
2. Use either ANSI C or TURBO C for writing program.

Either:

1. a) What is algorithm? Differentiate between interpreter and compiler. 5
b) Explain the different types of programming language. 5

OR

- c) Explain the character set in C-language. 5
d) What is constant? Explain the various types of constant used in C. 5

Either:

2. a) What is operator? Explain arithmetic and logical operators. 5
b) Write C-program to check in integer is even or odd. 5

OR

- c) What is ternary operator? Explain various bit wise operator. 5
d) What is precedence and associativity of operator? 5

Either:

3. a) Explain the syntax of the function scanf() and print(). 5
b) Explain decision making with 'if' and 'if-else' statement. 5

OR

- c) Explain nesting of 'if...else' statement with suitable example. 5
d) What is the purpose of switch statement explain with suitable example. 5

Either:

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| 4. | a) | Write the syntax of for-loop and explain it with example. | 5 |
| | b) | Explain while and do-while loop with example. | 5 |

OR

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|----|---|----------|
| c) | What do you mean by nested loop? Explain with suitable example. | 5 |
| d) | Write a difference between break and continue statement? | 5 |

5. Attempt any ten.

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| a) | State the importance of 'C' in short. | 1 |
| b) | Write four application of C-language. | 1 |
| c) | Define symbolic constant. | 1 |
| d) | What is bit wise operator? | 1 |
| e) | What is logical operator? | 1 |
| f) | Write the difference between user defined and library function. | 1 |
| g) | What is the ladder of if-else statement? | 1 |
| h) | What is decision making statement? | 1 |
| i) | State the use of Goto statement. | 1 |
| j) | Differentiate between entry control and exit control loop. | 1 |
| k) | What is jump in loop? | 1 |
| l) | What is the use of break statement? | 1 |
