

B.Sc. (CBCS Pattern) Semester-V
USELT10 - Electronics Paper-II (C-Programming-I)

P. Pages : 2

Time : Three Hours



GUG/S/25/13110

Max. Marks : 50

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

Either:

1. a) What is flowchart? Draw the various symbols of flowchart and explain its function. **5**
b) What is Algorithm? Explain the concept of Algorithm. **5**

OR

- c) What is Constant? Differentiate between constant and variables. **5**
d) Explain Compiler and interpreter in C-Language. **5**

Either:

2. a) What is operator? Explain Arithmetic and relational operator with suitable example. **5**
b) Write a C program to convert a given number of day into months and days by using integer arithmetic. **5**

OR

- c) Explain different arithmetic operators with suitable example. **5**
d) State the rule for evaluation of expression in 'C' language. **5**

Either:

3. a) Explain the ternary operator with suitable example. **5**
b) What is formatted input? Explain it with suitable example. **5**

OR

- c) Explain the If-Else statement with suitable example. **5**
d) Write a C program for grading of the students in an academic institute. The grading is done according to following rules. **5**
Marks Grade
75 to 100G
50 to 74A
0 to 49F

Either:

4. a) Explain the do-while statement with suitable example. 5
- b) Write a C program to determine the sum of 1 to 20 numbers. 5

OR

- c) Explain the concept of jumps in a loop with suitable example. 5
- d) Explain the function of Break in looping. 5
5. Attempt **any ten** of the followings. 10
- a) What is high level language?
- b) What is low level language?
- c) State the types of variables.
- d) What is bitwise operator?
- e) State any two relational operators.
- f) What are library functions?
- g) What is the use of GO TO statement?
- h) What is switch statement?
- i) State the use of nesting statement.
- j) State the difference between break and continue.
- k) State the difference between DO and WHILE statement.
- l) State the syntax of 'FOR' Statement.
