

B.Sc. 3517-1 - Elective-I - Electronics Paper-II (C-Programming-I)

P. Pages : 1

GUG/W/18/1307

Time : Three Hours



Max. Marks : 50

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

1. Either

- a) Explain the concept of algorithm. What is flowchart? Draw the various symbols of flowchart and explain its function **4+6**

OR

- b) What is constant? Differentiate between Constant and variables. **4+6**
Explain Compiler and interpreter in C-language.

2. Either

- a) What is operator? Explain Arithmetic and relational operator with suitable example. **6+4**
Write a C program to convert a given number of day into months and days by using integer arithmetic's.

OR

- b) Explain the procedure of arithmetic operator with suitable example. **6+4**
State the rule for evaluation of expression in 'C' language.

3. Either

- a) What is formatted input? Explain it with suitable example. **5+5**
Explain the If. Else statement with suitable example.

OR

- b) Explain the ternary operator with suitable example write a C program for grading of the students in an academic institute. The grading is done according to following rules. **5+5**

Marks	Grade
75 to 100	G
50 to 74	A
0 to 49	F

4. Either

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

OR

- b) Explain the concept of jumps in a loop with suitable example. **5+5**
Write a C program to print the followings

```

1   2   3   4   5
6   7   8   9
10  11  12
13  14
15

```

Using for loop

5. a) Differentiate between high level language and low level language. **2½**
b) Explain the Bitwise operator. **2½**
c) Explain the switch statement. **2½**
d) Explain the function of Break in looping. **2½**
