

F.Y.B.Sc.(Part-III)(with Credits)-Regular-Semester 2012 Sem VI
B.Sc.4518 - Electronics Paper-II Elective-I : C-programming-II

P. Pages : 2

Time : Three Hours



GUG/W/17/5635

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 program writing.

Either

1. a) Explain declaration and initialization of one dimensional array. **4+6**
Write a C-Program to store marks of 10 students in an array and find their sum.
Marks are inputted through keyboard.

OR

- b) What is a C function ? **2+3+5**
State and explain syntax for C function declaration.
Write a program with multiple functions that do not communicate data between them.

Either

2. a) What is a pointer variable ? **1+3+6**
Explain general form of declaring a pointer variable.
Write a C program using pointers to determine the length of a character string

OR

- b) How does structure differs from array ? Explain the syntax for defining the structure and structure variable. **2+3+5**
Write a C program using structure to accept record of an employee containing name, age and salary and display the same as output.

Either

3. a) Mention the functions used for opening and closing a file. Give their syntax. **4+6**
Write a program to enter 10 integer values in a file "sample.dat" and display the contents of file on the screen.

OR

- b) Explain the following functions, **4+6**
i) ftell, and
ii) fseek
Write a program that uses ftell and fseek functions.

Either

4. a) What is symbolic constant ? **3+7**
How are symbolic constants created in C++ ? Explain with C++ program.

OR

- b) Explain the following with respect to C++ programming, 5+5
i) Manipulators, and
ii) Operators overloading.
5. a) State the output of the following program, 2½
`#include <stdio.h>
void check ();
main ()
{
 Check ();
 Check ();
 Check ();
}
void check ()
{
 Static int c = 0 ;
 print f ("%d", c) ;
 c += 5 ;
}`
- b) What is union ? Explain its need. 2½
- c) What is command line argument ? Explain. 2½
- d) How variables are declared in C++ ? Explain with example. 2½
