

T.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 : 1

GUG/S/18/5635

Time : Three Hours



Max. Marks : 50

- Notes : 1. All questions are compulsory and carry equal marks.  
2. Use either ANSIC or TURBOC for program writing.

Either.

1. a) What is array? Explain syntax, declaration and initialization of one dimensional array in 'C' language. **10**

**OR**

- b) What is user define function? **2+3+5**  
Explain its need.  
State the category of functions and explain any one of them with suitable example.

Either.

2. a) Define structure. **2+6+2**  
Explain the structure initialization with an example.  
How does structure differ from array?

**OR**

- b) What is pointer? Explain the need of pointer in C. **4+6**  
Explain syntax of pointer and its initialization with example.

Either.

3. a) Explain the various operating modes of file handling in C. **5+5**  
Write a program in C to copy the content of one file into another.

**OR**

- b) Explain the general format for declaring and opening a file. **6+4**  
Write a program in "C" to crate a file "AAA.DAT" to store N records containing roll number, name and total.

Either.

4. a) Explain the concept of object oriented programming. **4+6**  
State and explain any two application of oop?

**OR**

- b) Define constant and variable in C++. **4+6**  
Explain int, char, float and double constants with example.

5. a) What is recursive function? **4x2½**  
Explain it in brief.

b) What is union? Explain its need in C.

c) Distinguish between print f( ) and fprintf( ).

d) What are qualifiers? How is it related to the data type?

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