

B.Sc. (With Credits)-Regular-Semester 2012 Sem II
2SCS-T2 - Computer Science -II : Paper-II (Structured Programming with C)

P. Pages : 2
Time : Three Hours



GUG/W/16/5572
Max. Marks : 50

Notes : 1. All questions are compulsory and carry equal marks.

Either :

1. a) Write an algorithm and draw a flowchart to reverse a given number. 5
(Eq. N=1234 Reverse = 4321).
- b) Explain in brief structure of 'C' programming ? 5

OR

- c) Write a short note on input & output functions used in 'C'. 5
- d) Explain any two bitwise operator with suitable example. 5

Either:

2. a) Explain static storage class. 5
- b) Compare while loop and do-while loop with example. 5

OR

- c) Explain continue and break statement. 5
- d) Write a C language program to find whether given number is palindrome or not. 5

Either:

3. a) Explain two dimensional array with an example. 5
- b) For what purpose '\0' is used in string operations explain with suitable example. 5

OR

- c) Explain nested structure. 5
- d) Write a C language program using structure to define employee record containing employee number, name and salary. Read 10 records. 5

Either:

4. a) State and explain different phases used in user defined function. 5

- b) Explain the following statements. **5**
 - i) getchar()
 - ii) putchar()

OR

- c) Explain dynamic memory allocation in brief. **5**
- d) Write a C language program to read "Mark-dat" File containing rollno, name, marks of three subjects and Calculate total mark, result in grade and store in "result.dat" file. **5**

5. Solve **all** the questions.

- a) Explain Increment and decrement operator ? **2½**
- b) Explain for loop. **2½**
- c) Explain any two string functions. **2½**
- d) State various modes of file opening and file closing. **2½**
