

B.C.C.A. II (with Credits)-Regular-Semester 2012 Sem IV
243 - Paper-III : Structured Programming in C

P. Pages : 2

Time : Three Hours



GUG/S/18/5140

Max. Marks : 80

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram and use supporting data wherever necessary.
 3. Avoid vague answers and write specific answer related to question.

Either:

1. a) Describe C-character set in detail. 8
- b) What is constants in C? Explain various types of constant in C. 8

OR

- c) List and explain various datatypes available in C. 8
- d) Write a program in C to find the sum and average of any fix integer numbers. 8

Either:

2. a) What is storage class? Describe the following. 8
i) auto ii) static
iii) extern
- b) Write a program in C to check external year is a leap year or not. 8

OR

- c) Explain with suitable example. 8
i) while ii) do..... while
- d) Write a program in C to check entered no is a prime or not. 8

Either

3. a) What is the need of array? Explain initialisation of single dimensional array in C with suitable examples. 8
- b) Explain the concept of binary search in brief. 8

OR

- c) Write a program in C to find addition of even and odd numbers from 1 to 100. 8
- d) Explain in detail: 8
i) strlen ii) strcpy
iii) strcmp iv) strrev

Either

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|-----------|---|----------|
| 4. | a) Explain how to initialize the values to structure variables with suitable example. | 8 |
| | b) Differentiate between union & structure. | 8 |

OR

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|-----------|--|----------|
| c) | What is union in C? What are the application of union. | 8 |
| d) | Describe Nested structures with example. | 8 |
| 5. | Solve all the questions. | |
| a) | Describe scanf() statement in detail. | 4 |
| b) | Explain continue & goto statement. | 4 |
| c) | Describe merging of two arrays in brief. | 4 |
| d) | What is the need of structure? Explain. | 4 |
