



SA – 790

74

**VI Semester B.Com. Examination, April/May 2015  
(Semester Scheme) (Prior to 2014-15) (Repeaters)  
COMMERCE**

**Paper – 6.5 : Elective Paper – III : Programming in C**

Time : 3 Hours

Max. Marks : 90/100

- Instruction :**
- 1) Answer should be **completely** written in **English** only.
  - 2) Section **A, B, C** – Common to **all** students.
  - 3) Section **D** – **Compulsory** for **100** marks paper.
  - 4) (**100** Marks – 2013-14 only/**90** Marks – Prior to 2013-14).

**SECTION – A**

Answer **any ten** questions. **Each** question carries **two** marks.

**(10×2=20)**

1. a) What are constants ? Give examples.
- b) How do you construct variables in C ?
- c) Write the general syntax of printf () function.
- d) What are library functions ? Give examples.
- e) Define Keyword and Identifier.
- f) Explain different types of character constants.
- g) What is an array ?
- h) List all relational operators.
- i) What is a function () in C ?
- j) What is a pointer ?
- k) What are the different ways of inputting a string ?
- l) Compare 'break' and 'continue' statements.

P.T.O.



## SECTION – B

Answer **any 5** questions. **Each** question carries **5** marks.

**(5×5=25)**

2. Write a 'C' program to find sum of 'N' numbers.
3. Explain while loop.
4. What is the purpose of puts (), get char (), put char () ?
5. Explain if-else statement.
6. Explain different datatypes available in 'C' language.
7. What is global and local variable ? Explain.
8. What is meant by concatenation ? Which function is used to achieve this operation ?
9. What are actual arguments and formal arguments ?

## SECTION – C

Answer **any 3** questions. **Each** question carries **15** marks.

**(15×3=45)**

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|--|-------------|
| 10. a) What is a string ? How do you declare ? Explain with example. | <b>8</b>    |
| b) Define variable. What are the rules to create a variable in C ?   | <b>7</b>    |
| 11. a) What are the advantages of function ?                         | <b>5</b>    |
| b) Write a 'C' program to find the factorial of a given number.      | <b>10</b>   |
| 12. a) Explain any 5 string functions with examples.                 | <b>10</b>   |
| b) Explain for 100 P.  | <b>5</b>    |
| 13. a) What are the various operations possible in files ?           | <b>7</b>    |
| b) Explain logical and arithmetic operators.                         | <b>8</b>    |
| 14. a) Explain different category of functions.                      | <b>8</b>    |
| b) Write notes on :  | <b>7</b>    |
| i) Program Documentation   | ii) Testing |

## SECTION – D

**Note** : Only for **100** marks paper only, answer the question.

**(10×1=10)**

15. What is a Union ? How is it defined and declared ?
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