



M 7492

Reg. No. : .....

Name : .....

**III Semester B.Com. Degree (CCSS-Reg./Supple./Imp.)  
Examination, November 2014  
(2011 and Earlier Admissions)  
CORE COURSE IN COMMERCE  
3B05 COM (D-Computer Application) Programming in C**

Time: 2 Hours

Max. Weightage : 20

**PART – A**

This part consists of **two** bunches of questions carrying **equal** weight of **one**.  
**Each** bunch consists of **four** objective type questions. Answer **all** questions.

- I. 1) Every C complete statement ends with a
  - a) period
  - b) # symbol
  - c) semicolon
  - d) ending brace
- 2) Which of the following identifier is valid ?
  - a) 6 months
  - b) \_sum
  - c) cd 200
  - d) rate\$
- 3) If a numeric or single character information is being entered by means of a *scanf* function, what symbol must be precede the corresponding variable name ?
  - a) %
  - b) #
  - c) &
  - d) /
- 4) What is the continue statement used for ?
  - a) to continue to the next line of code
  - b) as an alteration to else statement
  - c) to stop current iteration and being the next iteration from the beginning
  - d) none of these

(W = 1)

P.T.O.



- II. 5) Adding to pointer that points to an array will
- a) cause an error
  - b) cause the pointer to point to next element in the array
  - c) increase value of the element that the pointer pointing to
  - d) none of the above
- 6) A member is a \_\_\_\_\_
- a) variable in a structure
  - b) structure's data type
  - c) pointer to structure
  - d) none of these
- 7) The \_\_\_\_\_ loop always iterates at least once.
- a) for
  - b) while
  - c) do-while
  - d) break
- 8) The two operators && and || are
- a) arithmetic operators
  - b) relational operators
  - c) logical operators
  - d) assignment operators
- (W = 1)**

### PART – B

Answer **any six** questions in **one** or **two** sentences **each**. **Each** question carries a weight of **one**.

9. Evaluate the expression  $k = g + r/n - g\%n + 2 * g$   
when  $g = 5$ ,  $r = 7$  and  $n = 2$ .
10. Comment briefly on the following assignment statement  
 $x + y = z;$
11. How does  $x ++$  differ from  $++ x$  ?
12. What is a variable ? How is variable declared in C ?
13. Write the syntax of ternary operator.
14. What conversion specifications are used to print out the following :
- 1) an integer
  - 2) a floating point number in the decimal form
  - 3) a floating point number in scientific notation
  - 4) a single character ?





- 15. What are tokens in C ?
- 16. Study the following C program segment and rewrite it by correcting all errors crept in.  
mane { } \\* This is a sample program segment\\*  
(Print ('I think, I know how to debug a program written in C/n')). **(W = 6x1=6)**

**PART – C**

Answer **any four** questions in **not** more that **one** page. **Each** question carries a weight of **two**.

- 17. Explain the syntax of it-else statement. Draw the flow chart also.
- 18. What is user defined functions ? Differentiate them from built in functions.
- 19. Describe how pointer is used for handling character strings.
- 20. Discuss the difference between recursion and iteration.
- 21. Explain *call by value* in functions.
- 22. What is union ? How does it differ from a structure ? **(W = 4x2=8)**

**PART – D**

Answer **any one**. **Each** question carries a weight of **four**. Answer not to exceed **four** pages.

- 23. Explain different operators available in C with example of how each of these operators works. State the order precedence of operators.
- 24. What is pointer ? Explain how a pointer is declared and initialized. Write a C program that demonstrates how two pointers are declared to access the two values and the pointers are added to get the sum of two values. **(W = 1x4=4)**