



M 2358

Reg. No. :

Name :



III Semester B.A./B.Sc./B.Com./B.B.A./B.B.A. T.T.M./B.B.M./B.C.A./B.S.W./
B.A. Afsal Ul Ulama Degree (CCSS-Reg./Supple./Improv.)
Examination, November 2012
CORE COURSE IN COMMERCE
3B05 COM (D-Computer Applications)
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) Which of the following is not a floating point number ?
a) 123
b) 100.0
c) -12.5
d) 10.5e-2
- 2) Which of following variable names is illegal ?
a) x
b) Nov 12
c) 99 bottles
d) grade – point
- 3) Every C program must have
a) *Printf* statement
b) function *main*
c) *#include* statement
d) All of the above
- 4) The _____ statement causes a loop to skip the remaining statements in the current iteration.
a) Break
b) Continue
c) For
d) None of these (W=1)
- II. 5) If all the data elements of program are of same type, they can be represented as _____
a) Array
b) Structure
c) Union
d) Pointer
- 6) A function call terminates with a _____
a) Period
b) Semi colon
c) Colon
d) None of these

P.T.O.



- 7) Array names can be used as _____ and vice versa.
- a) Function
 - b) Union
 - c) Structure
 - d) Pointers
- 8) The keyword used to transfer control from a function back to the calling function is
- a) Switch
 - b) Goto
 - c) Go back
 - d) Return
- (W=1)

PART - B

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

- 9) Assume the following variables are defined

int age ;

float pay ;

char section ;

Write a single *scanf* statement that will read input into each of these variables.

- 10) Write the C expression for the following algebraic expressions

1) $k = 54n$

2) $b = 20d + 5m + 58y$

3) $y = x^4$

4) $g = \frac{r+24}{n}$

- 11) What is the function of *else* clause in an *if* statement ?
- 12) What is the difference between the two operators = and == ?
- 13) What are the similarities between a *union* and a *structure* in C ?
- 14) What are the essential difference between a *while* and a *do-while* loop ?
- 15) Distinguish between a user defined function and one supplied in the C library.
- 16) State the order of evaluation of arithmetic operations in C. (W=6×1=6)



PART – C

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

- 17) Give and explain the structure of a typical C program.
- 18) Discuss the basic data types in C with examples.
- 19) What will be the output of the following program ? Modify the program to obtain the same result by replacing with a *while* loop

```
void main ()  
{ int i ;  
  for (i = 1; i <= 10 ; i + +)  
    printf(" % d \ n", i*5) ;  
}
```

- 20) Briefly explain C structures with examples.
- 21) Explain *call by reference* and *call by value* in functions.
- 22) Describe the different types of operators in C. (W=4x2=8)

PART – D

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

- 23) Discuss any two branching and two looping statements available in C with suitable illustrations.
 - 24) Draw the flow chart and write a C program to find and print the biggest number out of three given distinct numbers x, y and z. (W=1x4=4)
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