Roll No. ....

Computer Engg
Subject:- Programming in C

Time : 3Hrs.   M.M. : 100
SECTION-A
Note: Multiple choice questions. All questions are compulsory   (10x1=10)

Q.1   Which access specifier is used to indicate float data type   (CO6)

   a)   %d   b)   %c

   c)   %f   d)   %s

Q.2   How many bytes of memory does a integar data type takes for storage   (CO6)

   a)   1   b)   2

   c)   4   d)   8

Q.3   What is the output of 10/3   (CO7)

   a)   3   b)   10

   c)   1   d)   0

Q.4   Decrement operator, –, decrease value of variable by what number.   (CO7)

   a)   2   b)   3

   c)   0   d)   1

Q.5   Which of the following is not C keyword.   (Co6)

   a)   if   b)   switch

   c)   else   d)   class

Q.6   Every statement in C language should end with a?   (CO3)

   a)   Dot   b)   Comma

   c)   Semicolon   d)   colon

Q.7   ++ is a _____ operator   (CO7)

   a)   Arithmetic   b)   Unary

   c)   Relational   d)   Logical

Q.8   In which year C was developed   (CO3)

   a)   1972   b)   1986

   c)   1995   d)   2001

Q.9   What does the expression float a = 15 / 0 return   (CO7)

   a)   0   b)   1

   c)   Infinity   d)   not a number

Q.10   What is the extension of C File.   (CO6)

   a)   .c   b)   .java

   c)   .txt   d)   .class

SECTION-B
Note: Objective type questions. All questions are compulsory.   (10x1=10)

Q.11   Who developed C .   (CO6)

Q.12   What is the purpose of Break statement.   (CO6)

Q.13 How a pointer is declared. (CO8)

Q.14 Define Constant. (CO3)

Q.15 Define Structure. (CO5)

Q.16 Write the syntax of For Loop. (CO2)

Q.17 Define Algorithm . (CO1)

Q.18 Name any two Keywords. (Co6)

Q.19 Name any two Header Files. (CO6)

Q.20 Define Recursion. (CO8)

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Explain input/outpur statements available in C. (CO6)

Q.22 Difference between while & do-while loop. (CO2)

Q.23 Explain Switch statement . (CO2)

Q.24 Explain If statement with example. (CO2)

Q.25 Explain various types of array. (CO4)

Q.26 Difference between high level & low level language (CO3)

Q.27 How comments are written in C. (CO6)

Q.28 Define string. Write any two string related functions. (CO9)

Q.29 Write an algorithm to calculate area of rectangle. (CO1)

Q.30 Write a program to even numbers upto 20 (CO8)

Q.31 Write a program to print factorial of a number.(CO8)

Q.32 Difference between Structure & Union. (CO5)

Q.33 Explain various operators available in C. (CO6)

Q.34 Explain various data types available in C. (CO6)

Q.35 Define flowchart. Draw various symbols used in flowchart. (CO1)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 Explain various steps in development of a program. (CO3)

Q.37 Explain various Loops available in C. (CO2)

Q.38 Define Function. Explain its types with example. (Co9)

(**Note:** Course outcome/CO is for office use only)