

S.B. Roll No.....

COMPUTER APPLICATIONS IN MECHANICAL ENGINEERING
3rd Exam/Mech/RAC/Prod/Auto/0530/0253/5340/May'16

Duration: 3 Hrs

M. Marks=75

SECTION- A

Q.1 Do as directed:

15x1=15

- a) C++ always starts with a function called_____.
- b) Power point is a _____software.
- c) In C++, equality operator is_____.
- d) The pictorial representation of an algorithm is called_____.
- e) A series of slides displayed in a sequence is called as _____.
- f) C++ uses comma as statement terminator **(T/F)**.
- g) In C++, strings are represented using array **(T/F)**
- h) Processing steps are represented as diamond in flowchart. **(T/F)**
- i) Microsoft Access is a relational database management system.**(T/F)**
- j) “ // my first program in C++” is a comment line. **(T/F)**
- k) < is a relational operator.**(T/F)**
- l) Define If statement?
- m) Name any two views of power point
- n) OOPs stand for_____.
- o) IOSTREAM stands for_____.

SECTION B

Q.2 Attempt any SIX questions.

5x6=30

- a) Explain logical operators available in C++.
- b) Write a program in C++ to check whether the given number is even or odd.
- c) Draw a flowchart to find the greatest of three numbers.
- d) What are the steps involved in creating new presentation?
- e) Explain the structure of a C++ program.
- f) What are various control statements in C++?
- g) Explain power point views in a presentation.
- h) Write steps to create new database in Ms-Access.
- i) Explain data hiding with example.

SECTION C

Q.3 Note: Attempt any THREE questions.

3x10=30

- a) Explain three kinds of loops in C++.
- b) Explain the main features of OOPs.
- c) Write a program in C++ to print the multiplication of two matrices.
- d) Explain various data types in C++.
- e) Explain following.
(I)Creating reports in MS-Access (II) Bringing presentation to life