

Roll No

BE-205**B.E. I & II Semester**

Examination, June 2016

Basic Computer Engineering*Time : Three Hours**Maximum Marks : 70*

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
 ii) All parts of each question are to be attempted at one place.
 iii) All questions carry equal marks, out of which part A and B (Max. 50 words) carry 2 marks, part C (Max. 100 words) carry 3 marks, part D (Max. 400 words) carry 7 marks.
 iv) Except numericals, Derivation, Design and Drawing etc.

Unit - I

1. a) What is MS word?
 b) What is Multimedia?
 c) What is software? Enlist system and Application software
 d) Draw the block diagram of a computer. Explain each component.

OR

Differentiate RAM and ROM. Explain the Dynamic and static RAM with their merits and demerits.

Unit - II

2. a) Define Tokens
 b) What is functions?
 c) Explain the different control statements in C++
 d) Write an Algorithms to find largest number from array of n numbers.

OR

Write the difference between procedures oriented programming vs object - oriented programming.

Unit - III

3. a) Define Data structures.
 b) Define data hiding, abstraction and encapsulation..
 c) What is class and object in C++? Explain with example.
 d) Explain the following terms with suitable example.
 i) Friend function
 ii) Virtual function

OR

What is inheritance? Write the different types of inheritance.

Unit - IV

4. a) Define Firewall
 b) Define Trojans and Spyware.
 c) Differentiate between TCP and IP
 d) What is Topology? Explain star Topology.

OR

Write a brief notes on different types of networking devices.

Unit - V

5. a) Define IaaS, PaaS and SaaS.
 b) What do you mean by Data dictionary.
 c) What are the disadvantages of using file system over database system?
 d) What is cloud computing? Enlist and explain characteristics of cloud computing.

OR

What are the typical roles and responsibility of a DBA.
