

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.
