Roll No ... .

BE - 205

B.E. I & II Semester Examination, December 2012
Basic Computer Engineering (Grading System)
Time : Three Hours

Maximum Marks : 70

Note : 1. *All questions carry equal marks.*

2. *Assume suitable data wherever necessary.*

Unit - I

1. a) Explain the use of secondary memory. Differentiate between magnetic tape and magnetic disk. 7

   b) Discuss computer application in E-Business. 7

OR

2. a) Write a brief note on Remote Sensing and GIS. 7

   b) Compare and contrast computers on the basis of processing speed and storage capacity. 7

Unit - II

3. a) Explain the features of object oriented programming. 7

   b) Discuss how file management function is performed by an OS. 7

OR

4. a) Discuss the merits and demerits of OOPS. 7

   b) Explain the various types of operating system briefly. 7

Unit - III

5. a) Explain the different types of constructors in C⁺⁺. 7

   b) What is an abstract class? Explain with an example. 7

OR

6. a) What is a derived class? Explain with examples the 3 ways in which a class can be inherited? 7

   b) Explain multilevel inheritance and multiple inheritance with example. 7

Unit - IV

7. a) Distinguish between primary key and candidate key. 7

   b) Explain the architecture of DBMS. 7

OR

8. a) What are the different types of database and users? Discuss the main activities of each. 7

   b) Explain various data models briefly. 7

Unit - V

9. a) Explain the architecture of WWW briefly. 7

   b) Compare OSI and TCP/IP reference models on form of their merits and demerits. 7

OR

10. a) Explain the functions of different layer of OSI model. 7

    b) Write a brief note on network security and E-Commerce. 7

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BE-205 (GS)