



BT MRE - I & II - 09 - 09

B. Tech Degree I & II Semester Examination in Marine Engineering, May 2009

MRE 109 COMPUTER FUNDAMENTALS

Time : 3 Hours

Maximum Marks : 100

(All questions carry EQUAL marks)

- I. (a) What is internet and what are the various hardware and software features of internet?
(b) What are the functional blocks of a PC? Explain with diagrams.
OR
- II. (a) What are different types of computer networks?
(b) What is DOS? What are the functions of an OS?
- III. (a) Distinguish break and continue.
(b) Write a C program to print first 20 even numbers.
OR
- IV. (a) Explain date types in C with examples.
(b) Write a C program to print first 10 prime numbers.
- V. (a) What are storage classes in C? Explain with examples.
(b) Demonstrate call by reference with a program.
OR
- VI. (a) What is recursion? Explain with an example.
(b) Write a C program to find first 10 fibonacci numbers.
- VII. (a) Distinguish structures and unions with examples.
(b) Write a C program to demonstrate unions.
OR
- VIII. (a) Explain array of pointers.
(b) Write a C program to demonstrate accessing array using pointer.
- IX. (a) Describe the structure of a relational data base.
(b) Assume S(S#, Sname, City)
P(P#, Pname, Color)
SP(S#, P#, Qty)
Write SQL's to
(i) Get all pnames supplied by "ANIL"?
(ii) Get the total Quantity of "P2" supplied by "ANIL"?
OR
- X. (a) What is virtual function? Explain with example.
(b) Demonstrate operator overloading in C++ with example.