YENISI - VI : WINTER - 2016

Subject : Comprehensive Examination-II (Conventional Type)

Day : Thursday
Date : 15/12/2016

S.D.E. 33553

Time : 02.00 P.M. TO 05.00 P.M.
Max Marks : 100 Total Pages : 1

N.B.

1) Answer **ANY FIVE** questions.
2) Figure of the right indicates **FULL** marks.

Q.1 What is need of feasibility study? Explain different types of feasibility study. **(20)**

Q.2 Consider the following sequence of page reference for four page frames **(20)**
7,0,1,2,0,3,0,4,2,3,0,3,2,1,2,0,1,7,0,1
How many page faults occur by applying FIFO replacement algorithm.

Q.3 Explain OSI reference model of computer network with functioning of each layer. **(20)**

Q.4 Explain normalization. Discuss 1NF, 2NF, 3NF with example. **(20)**

Q.5 **A)** Explain different types of inheritance **(10)**
B) Write recursive algorithm for binary search. **(10)**

Q.6 Define modularization. Explain how it supports the procedure oriented programming. **(20)**

Q.7 Implement stack as Abstract Data Type. **(20)**

Q.8 **A)** Draw truth table for the following gates. **(10)**
a) AND b) OR C) NOT d) NOR e) XOR
B) Write notes on (**ANY TWO**) **(10)**
i) Binary search tree
ii) Onion structure of Unix Operating System.
iii) Virtual Class

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