Prelim I Answer Key (paper I):

Q. 1 (A)
1. Latency
2. Searching
3. HR
4. Polymorphism

Q. 1 (B) a) Explanation
     (3mks)

     b) Algorithm with diagram
     (3mks)

     c) i. Definition and example
        (½ + ½)
      ii. Definition and example
        (½ + ½)
      iii. Definition and example
        (½ + ½)

Q. 2 (A) a)
   i. Primary Key definition and example
      (½ + ½)
   ii. Record definition and example
      (½ + ½)
   iii. Field Definition and example
      (½ + ½)

   b) Operator overloading definition with syntax
      Difference between member function and friend function
      (1+1mks)

   c) 3 differences 1mark each
      (3mks)

Q. 2 (B) a) Definition
     Explanation with example
     (3mks)

     b) Definition
     Advantages three points
     Difference between member function and friend function
     (1 ½mks)
     Disadvantages three points
     (1 ½mks)

Q. 3 (A) a) Definition
     Difference two points
     (2mks)

     b) Difference three points
     (3mks)

     c) Each Definition
     (1mk)
(B) a) Definition
   Three states

b) Constructor Definition
   Destructor Definition
   Example of each
   Difference

Q.4 (A) a) Define Class
   Class declaration

   b) Define Virtual Function
      State any Four Rules

   c) Define Binary Tree
      Terminologies (any 2)

(B) (a) Explanation of Paging with the Diagram
   Explanation Segmentation with the Diagram

   (b) Explanation of Bubble sort
      Algorithm
      Example
      Complexity

Q.5 Please check and give marks for programs according to yourself