Quiz 01
Marks:2.5   Date:5-3-24

Name:_____   Enrollmet #:_____

Question no.1   **CLO2, PLO2, C3**

a. There are *n* boxes of different products are placed in a ware house. A worker wants to organize the ware house according to expiry dates of the products in order to set the products appropriately. Your task is to organize the products from nearly expiry to last expiry. **Apply** insertion sort algorithm to organize the products by considering following seven products. Following data shows the number of months remaining to expire. Show the working of two passes only.

5	4	10	5	8	11	7

b. Consider the following array that stores publishing year of the books. Find how many comparisons are required to search year 2007 by applying linear and binary search. Also give the condition when item is not found .Assume that lower bound start from 1.

| 2000 | 2002 | 2004 | 2006 | 2008 | 2010 | 2012 |

Comparisons	
Linear Search	**Binary Search**