Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Choose the scenario(s) when we need to use Linear search?

Select one or more:

- [x] When the list has only a few elements
- [ ] None of these options
- [x] When performing a single search in an un-ordered list
- [ ] Can use all the time

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Rearrange the below algorithm for computing n Factorial.
Input: n, an integer greater than or equal to 0
Output: n!

- ✔ procedure factorial(n)
- ✔ if n = 0 then
- ✔ return(1)
- ✔ return(n * f actorial(n - 1))
- ✔ end factorial

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Jane has created a special type of linked list. That linked list contains no NULL values in its links. If so, what type of linked list is Jane has created?

Select one:

- ( ) Doubly Linked List
- (•) Circular Linked List ✔
- ( ) Single Linked List
- ( ) None of these options

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Select the code snippet which performs unordered linear search iteratively?

Select one:

- public int UnorderedLinearSearch(int[] arr, int size, int data)
  {
  int index;
  for(int i = 0; i < size; i++)
  {
  if(arr[i] == data)
  {
  break;
  }
  }
  return index;
  }
- None of these options
- public int UnorderedLinearSearch(int[] arr, int size, int data)
  {
  int index=0;
  for(int i = 0; i <= size; i++)
  {
  if(arr[i] == data)
  {
  index = i;
  break;
  }
  }
  return index;
  }
- public int UnorderedLinearSearch(int[] arr, int size, int data)
  {
  int index=0;
  for(int i = 0; i < size; i++)
  {
  if(arr[i] == data)
  {
  index = i;
  break;
  }
  }
  return index;
  } ✔

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

What is the purpose of the following code snippets?

```
for (int i = 0; i < arr.length-1; i++)
{
  for (int j = i+1; j < arr.length; j++)
  {
    if( (arr[i].equals(arr[j])) && (i != j) )
    {
      System.out.println(arr[i]);
    }
  }
}
```

Select one:

- None of the these
- Print the unique elements in the array
- Print the duplicate elements in the array ✔
- Print the element with maximum frequency