

GLS UNIVERSITY
BCA (SEM-V)
SUBJECT: 0301502 Advance Java
ASSIGNMENT – 2 (Unit -2 Java Collection Framework)

A. Fill in the blanks

1. To Implement data structure in java _____ frame work is used.
2. _____, _____ and _____ are the child interface of collection interface.
3. _____ class i child class of Vector class.
4. _____ is child class of SortedSet interface.
5. _____ interface is just collection of pairs value.
6. The _____ interface extends Collection but forbids duplicates
7. _____ method is used to add object in to invoking collection.
8. _____ method returns the index of first instance obf object in the invoking list.
9. _____ method is used to add element at last in the linked list.
- 10 _____ method return a shallow copy of an ArrayList

B. State True or False

1. Collection is interface in java. [T / F]
2. Collection interface is highly efficient and gives high performamce. [T / F]
3. ArrayList is the child class of Queue interface. [T / F]
4. Collection interface is just collection of pairs value. [T / F]
5. Collection interface is a group of objects, with duplicates allowed. [T / F]
6. The List interface extends Collection, allows duplicates. [T / F]
7. The List interface introduces positional indexing. [T / F]
8. Map Interface allow duplicates entry. [T / F]
9. List interace has four child class. [T / F]
- 10.. Queue is work on FIFO principal. [T / F]

C. Explain in Detail

1. Explain the feature of Collection Framework.
2. Draw the hierarchy of Collection interface.
3. Draw the hierarchy of Map Interface.
4. Explain any five methods of Collection interface.
5. Explain any five methods of List interface.
6. Write a short note on Linkedlist class.
7. Write a short note on ArrayList class.

8. Write a short note on Stack class.
9. Write a short note on Queue interface.
10. Write a short note on HashSet class.
11. Write a short note on TreeSet class.
12. Explain any five methods of Map interface.
13. Write a short note on HashMap class.
14. Write a short note on TreeMap class.
15. Write a short note on Iterator Interface
16. Write a short note on ListIterator interface.

**Question set A and B are Compulsory for each student.
Question Set C need to attempt as follow:**

Sr. No	Group No.	Questions
1.	A01 To A10 B01 TO B10 C01 TO C10	1,7,12,5,13
2.	A11 TO A20 B11 TO B20 C11 TO C20	2,8,11,6,14
3.	A21 TO A30 B21 TO B30 C21 TO C30	3,9,10,7,15
4.	A31 TO A40 B31 TO B40 C31 TO C40	4,10,9,8,16
5.	A41 TO A50 B41 TO B50 C41 TO C50	5,11,8,9,13
6.	A51 TO A60 B51 TO B60 C51 TO C60	2,8,10,13,15
7.	A61 TO A70 B61 TO B70 C61 TO C70	6,12,7,10,14
8.	A71 To A80 B71 TO B80 C71 TO C80	1,7,12,5,13
9.	A81 TO A90 B81 TO B90 C81 TO C90	2,8,11,6,14
10.	A91 onwards B91 onwards C91 onwards	3,9,10,7,15