



# Biyani Girls College

First Mid Term Examination 2024

Class: BCA- III Sem.

Subject- DSA (BCA-201)

**MM: 80**

**Time: 3:00 Hrs.**

**[A] Very Short Questions.**

**(10\* 2= 20)**

1. What is Data structure ?
2. What is Algorithm ?
3. What is Array ?
4. What is Stack ?
5. What is Queue ?
6. What are the operations in Stack ?
7. What is LIFO and FIFO ?
8. What is difference in Max size and size of stack ?
9. What is Link List ?
10. What is Tree ?

**[B] Long Questions.**

**(15\* 4= 60)**

1. Explain all operations of Array with example ?
2. What is the advantage of Algorithm, Example with multiple examples ?
3. What are Push and Pop operations in stack, Explain with diagram and algorithm ?
4. What is BST, what are the difference in Binary tree and BST. Explain with example and diagram ?



# Biyani Girls College

**First Mid Term Examination 2024**

**Class: BCA- III Sem.**

**Subject- DSA (BCA-105)**

**Set-B**

**MM: 80**

**Time: 1.5Hrs.**

**[A] Very Short Questions.**

**(10\* 2= 20)**

1. What is difference in FIFO and LIFO ?
2. What is Difference in Push and Pop operation ?
3. What is Data Structure ?
4. What is Queue ?
4. What is Array ?
5. What is Stack ?
6. What are difference in Void and Void main function ?
7. Write syntax of for loop ?
8. What double link list ?
9. What is Link List ?
10. What is node in Link List ?

**[B] Long Questions.**

**(15\* 4= 60)**

1. Explain all operations of Array with example ?
2. What are operations in stack, Explain with diagram and algorithm.?
3. Write a example of BST. Explain with example and diagram?
4. What is the advantage of Algorithm, Example with multiple examples.