

**Directorate of Distance Education
Swami Vivekanand Subharti University
I Year**

**BACHELOR OF COMPUTER SCIENCE
(BCA)**

BCA/ASSIGN/ III/SEM/A-2020-21

Assignments

(For JUNE Academic Batch-2020-21)

BCA-1, BCA-2, BCA-3, BCA-4,



**DIRECTORATE OF DISTANCE EDUCATION
SWAMI VIVEKANAND SUBHARTI UNIVERSITY**

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Detail of Program

Course Code	Name of Subject	Page No.
BCA-1	Discrete mathematics	3
BCA-2	Operating System	4
BCA-3	Data Structure with Programming in 'C'	5
BCA-4	Computer hardware technology & installation	6

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Course Code : BCA -1
Course Title : Discrete mathematics
Assignment No. : BCA -1/ A-2020-21
Maximum Marks : 15
Words : 100 words

Attempt all questions.

All questions carry equal marks.

Q.1 What is Permutation and Combination?

Q.2 Describe the importance of Graph Theory.

Q.3 Define well ordering principle.

Q.4 State and Prove Division algorithm theorem using well ordering principle.

Q.5 Define Mersenne prime numbers.

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Course Code : BCA -2
Course Title : Operating System
Assignment No. : BCA -2/ A-2020-21
Maximum Marks : 15
Words : 200 words

Attempt all questions.

All questions carry equal marks.

Q.1 Why is the operating system important?

Q.2 What is RAID structure in OS?

Q.3 What is a Pipe and when it is used?

Q.4 What is GUI?

Q.5 What are the different kinds of operations that are possible on semaphore?

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Course Code : BCA -3
Course Title : Data Structure with Programming in 'C'
Assignment No. : BCA -3/ A-2020-21
Maximum Marks : 15
Words : 200 words

Attempt all questions.

All questions carry equal marks.

Q.1 What is data structure in C programming?

Q.2 What are the topics in data structures in C?

Q.3 What is data structure long answer?

Q.4 What are the 2 main types of data structures?

Q.5 What is BFS and DFS?

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Course Code : BCA -4
Course Title : Computer hardware technology & installation
Assignment No. : BCA -4/ A-2020-21
Maximum Marks : 15
Words : 200 words

Attempt all questions.

All questions carry equal marks.

Q.1 What are the different functions of a computer?

Q.2 How a minicomputer different from a mainframe.

Q.3 What is super computer?

Q.4 What do u mean by a processing device?

Q.5 What is a storage device?

