



# Assignment 04

## Fall Term 2020

### Heap, Hash & Graph Algorithms

Code IT-466 Degree BBIT  
Title Analysis of Algorithm Batch F17-IT Specialization  
Due Date: **Jan 12, 2021 before 1630hr** Marks **105**

#### Instructions:

1. Do not forget to pray before starting to attempt the paper. Trust me it helps.  
Remember! SOMEONE is always with you (Be Relaxed), and HE is also watching you (Be Honest)
2. **Question Paper is SELF EXPLANATORY. Understanding the Question Paper is part of Solution.**
3. Nothing Beyond the Finish Line will be Evaluated. Back Side of Pages is Beyond Finish Line.
4. For Calculations etc. Use the back side of the pages.
5. Error in Question will be advantageous to Student.
6. Read the Questions carefully before attempting.
7. Solve your paper using Black/Blue Pen only.
8. Attempt All Questions in a Precise Fashion.
9. Switch Off your Cellular Phones.
10. Manage Your Time.

**GOOD LUCK**

Reg. No: \_\_\_\_\_

Name: \_\_\_\_\_

Class: IT Specialization

Date: Sunday Jan 03, 2021

Section: \_\_\_\_\_

Signature: \_\_\_\_\_

Q 01.	Q 02.	Q 03.	Q 04.	Q 05.	Q 06.	Q 07.	Q 08.	Q 09.	Q 10.	Total
15	15	15	15	15	15	15				105

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Assistant's Signature

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Examiner's Signature

**Do Not Open until YOU are Advised by the Invigilator.**











**Question No 06.**

**10+5**

Write down the Algorithms to Compute the Shortest Path using Dijkstra's Method.

### Compute the Time and Complexity of Your Algorithm

[illegible]

