Directorate of Open and Distance Learning
Dibrugarh University
Dibrugarh 786004
Website: www.dodldu.in

Ph. 0373-2370207(O)

NOTIFICATION

for
BCA 5ᵗʰ Semester (Old Course) Learners regarding submission of Home Assignments

This is for information to all Study Centers and Learners under DODL, DU that the student of BCA 5ᵗʰ Semester shall have to submit one Home Assignment in each course (paper). Each assignment carries 30 marks. The questions for the Home Assignments are enclosed herewith. At the time of submitting the assignments, please note the following:

* Write your assignment in A4 size paper neatly, with your own hand- writing on one side of the paper. You may also submit a computer printed copy of your assignments with your signature at the end.

* Stick to the word limit mentioned in the questions.

* Keep a margin of about 5 cm on the left side of the paper.

* You have to submit the assignments directly in the Study Centre wherein you have enrolled yourself.

* The assignments for a course (paper) should be tagged / stapled together to make a booklet, i.e. a separate booklet for each course (paper).

* Keep a duplicate or photo copy of the assignment with you (compulsory).

* The last date of submitting the Assignment is 12ᵗʰ April, 2023 (excluding Sundays)

* The cover page of your booklet should contain the following Label :

Home Assignment
Name of Study Centre_____
Roll No._____
Name _____
Programme : BCA
Class : 5ᵗʰ Semester
Course (Paper) : _____
Session : 2021 -2022
D.U. Registration No. : (If received) _____of ___

Date of Submission : _____

Sincerely Yours

Sd/-
(Prof. D.K. Chakraborty)
Director, i/c
DODL, D.U

ASSIGNMENT
Computer Networks
BCA -501

Answer any six
Total marks : 30   5X6=30

1. Explain different layers in the OSI model
2. Discuss the different topologies.
3. Explain the differences between Network layer delivery and Transport layer delivery.
4. What is Multiplexing and Demultiplexing of a network ? Explain.
5. Explain parallel and serial transmissions.
6. Explain Transmission Error.
7. What is ATM ? Explain.
8. Explain IP Version 4 Protocol.
9. What is SMTP? Explain

ASSIGNMENT
Operation Research
BCA -502

Answer any three
Total marks : 30   10X3=30

1. What is linear programming ? Discuss various application of linear programming.
2. Briefly explain Transportation model.
3. Show mathematically that dual of dual is the primal problem.
4. Explain North – West Corner Method.
5. Explain the procedure of U-V Test in MODI method .

ASSIGNMENT
Software Engineering
BCA -503

Answer any three
Total marks : 30   10X3=30

1. Discuss the various coding standards.
2. Explain the basic COCOMO Model.
3. Describe different phases of Software Development Life Cycle with diagram.
4. Discuss the spiral model with a suitable example.
5. Discuss various types of cohesion.