HOME ASSIGNMENT (2021 Batch)
BACHELOR OF COMPUTER APPLICATION (BCA)
(FIFTH SEMESTER)
CENTRE FOR DISTANCE AND ONLINE EDUCAITON
DIBRUGARH UNIVERSITY
(Full Marks 30 for each course)

(ALL THE QUESTIONS GIVEN BELOW ARE COMPULSORY)

Course : BCA – 501 (Computer Networks)

Assignment – 1   Marks –5×3=15
Q.1.   Explain different layers in the OSI model.
Q.2.   Explain one-bit Sliding window Protocol.
Q.3.   Discuss pure ALOHA.

Assignment – 2   Marks –5×3=15
Q.1.   Discuss MAC Protocol.
Q.2.   Explain IP Version 4 Protocol.
Q.3.   What is SMTP ?

Course : BCA – 502 (Operation Research)

Assignment – 1
Q.1.   What is linear programming ? Discuss various application of linear
programming.   Marks –10
Q.2.   Explain North-West Corner Method.   Marks –5

Assignment – 2
Q.1.   Briefly explain Transportation model.   Marks –10
Q.2.   Discuss steps of MODI method.   Marks –5

Course : BCA – 503 (Software Engineering)

Assignment – 1
Q.1.   Explain the basic COCOMO Model.   Marks –10
Q.2.   What are the three activities of risk assessment ?   Marks – 5

Assignment – 2
Q.1.   Describe different phases of Software Development Life Cycle with
diagram.   Marks –10
Q.2.   Write short notes on   Marks – 5
(a) Software maintenance

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