

**HOME ASSIGNMENT (2023 Batch)**  
**BACHELOR OF COMPUTER APPLICATION (BCA)**  
**(FIFTH SEMESTER)**  
**CENTRE FOR DISTANCE AND ONLINE EDUCATION**  
**DIBRUGARH UNIVERSITY**  
*(Full Marks 30 for each course)*

(ALL THE QUESTIONS GIVEN BELOW ARE COMPULSORY)

**Course : BCA – 501 (Computer Networks)**

*Assignment – 1*

*Marks –15*

Q.1. Explain the **OSI (Open Systems Interconnection) reference model** in detail.

*Assignment – 2*

*Marks –15*

Q.1. Explain the **different transmission media** used in data communication.

**Course : BCA – 502 (Operation Research)**

*Assignment – 1*

*Marks –15*

Q.1. Explain the steps of Simplex Methods for solving LPP with an Example.

*Assignment – 2*

*Marks –15*

Q.1. Explain the Process of North West Corner Rule for solving transportation problem.

**Course : BCA – 503 (Software Engineering)**

*Assignment – 1*

*Marks –15*

Q.1. Explain the **Software Development Life Cycle (SDLC)** models in detail.

*Assignment – 2*

*Marks –15*

Q.1. Discuss the concepts of **software testing** in detail.

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