



Seat No. \_\_\_\_\_

BACHELOR OF COMPUTER APPLICATION-CS Examination  
BCA SEMESTER-3 NOVEMBER 2025 ( NEP ) NOVEMBER - 2025  
CS-20: NETWORK TECHNOLOGY AND ADMINISTRATION

Faculty Code : 017

Subject Code : 24CS-BCAP-SE-03-03001

Time : 1 Hours]

[Total Marks : 25

Q.1 Attempt any two of the following.

- (1) What is network? Explain network services.
- (2) Explain OSI reference model with 7 layers.
- (3) Explain network topologies in detail.
- (4) Explain TCP/IP network model with 4 layers.

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Q.2 Attempt any two of the following.

- (1) What is transmission media? Explain guided media.
- (2) Explain layer2 devices in detail.
- (3) Explain switching technologies.
- (4) Explain layer1 devices in detail.

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Q.3 Attempt any one of the following.

- (1) Explain TCP/IP stack in detail.
- (2) What is ip address? Explain ipv4 in detail.

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