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**PA—323—2024**

**FACULTY OF SCIENCE AND TECHNOLOGY**

**B.Sc. (Second Year) (Fourth Semester) EXAMINATION**

**APRIL/MAY, 2024**

**(CBCS/New Pattern)**

**COMPUTER SCIENCE**

**Paper—VIII**

**(Computer Networks)**

**(Friday, 10-05-2024)**

**Time : 2.00 p.m. to 4.00 p.m.**

*Time—2 Hours*

*Maximum Marks—40*

**N.B. :—** (i) *All questions are compulsory.*

(ii) *All questions carry equal marks.*

1. Explain computer network devices in detail. 15

*Or*

(a) Define computer network. Explain applications of computer network.

7

(b) Describe TCP/IP Model. 8

2. Explain types of computer networks. 15

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*Or*

- (a) Describe network topologies in detail. 7
- (b) Explain structure of telephone system. 8
3. Write short notes on any *two* of the following : 10
- (a) IP protocol
- (b) Co-axial cable
- (c) Wireless transmission
- (d) Cryptography.