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NA—323—2023

FACULTY OF SCIENCE AND TECHNOLOGY

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

NOVEMBER/DECEMBER, 2023

(CBCS/New Pattern)

COMPUTER SCIENCE

Paper-VIII

(Computer Networks)

(Wednesday, 27-12-2023)

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

Time—2 Hours

Maximum Marks—40

N.B. :— (1) *All questions are compulsory.*

(2) *Figures to the right indicate full marks.*

1. Explain the OSI/ISO reference model. 15

Or

(a) Explain types of networks. 8

(b) Describe any *three* network devices in detail. 7

2. Describe network topologies in detail. 15

Or

(a) Explain twisted pair, co-axial cable and fiber optics cable. 8

(b) Describe Cryptography concept for network security. 7

P.T.O.

WT

(2)

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3. Write short notes on any *two* of the following :

10

- (a) Data transmission modes
- (b) Router and Gateways
- (c) Magnetic media
- (d) Domain name system.

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