

This question paper contains 2 printed pages!

AF—23—2022

FACULTY OF COMPUTER STUDIES
B.Sc. (C.S.) (Third Semester) EXAMINATION
NOVEMBER/DECEMBER, 2022
(CBCS/Revised Course)
COMPUTER SCIENCE
(Computer Network)

(Monday, 19-12-2019)

Time : 2.00 p.m. to 5.00 p.m.

Time— Three Hours

Maximum Marks - 75

- N.B. :-**
- (i) All questions are compulsory.
 - (ii) Figures to the right indicate full marks.
 - (iii) Assumes suitable data if necessary.

1 Attempt any five of the following :

- (a) Explain NIC cards.
- (b) Explain 10 Base T.
- (c) What is IP address ?
- (d) Explain connection oriented services.
- (e) Explain any network device.
- (f) Explain message switching.
- (g) Explain HTTP in detail.

2 Attempt any three of the following :

- (a) Explain OSI reference model.

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- (b) Explain LAN network.
- (c) Explain circuit switching.
- (d) Explain Ring topology.
3. Solve any *three* of the following :
- (a) Explain applications of computer network.
- (b) Explain Service Primitives.
- (c) Explain Hub and Switch.
- (d) Explain FDDI in detail.
4. Solve any *three* of the following :
- (a) Explain SMTP in detail.
- (b) Explain fibre optic cables.
- (c) Explain ISP.
- (d) Explain protocol stack design issues of the Layers.
5. Write short notes on any *three* :
- (a) Explain Digital Signal.
- (b) What are the design issues for Layers ?
- (c) Ethernet.
- (d) Parallel transmission mode
- (e) Internet verses Intranet.