

This question paper contains 3 printed pages]

Y—468—2019

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2019

(CBCS Pattern)

COMPUTER SCIENCE

Paper VIII

(Computer Network)

(MCQ + Theory)

(Friday, 13-12-2019)

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

Time— Two Hours

Maximum Marks—40

- N.B. :—*
- (i) All questions are compulsory.
 - (ii) Figures to the right indicate full marks.
 - (iii) Draw neat well labelled diagrams if necessary.

(MCQ)

1. Attempt the following Multiple Choice Questions : 10
- (i) STP stands for.....
 - (a) Security Twisted pair
 - (b) Shielded Twisted Pair
 - (c) Shielded Turn Point
 - (d) None of these
 - (ii) The set of rules is referred as
 - (a) Protocol
 - (b) Network
 - (c) Icon
 - (d) None of these
 - (iii) IPv4 address requiresbits.
 - (a) 18
 - (b) 64
 - (c) 32
 - (d) 16

P.T.O.

- (iv) Telephone connected to.....
- (a) Toll office (b) End office
- (c) Switching office (d) Hub
- (v) TCP model consists oflayers.
- (a) 5 (b) 6
- (c) 3 (d) 4
- (vi) Two town connected to each other using.....
- (a) WAN (b) LAN
- (c) MAN (d) VAN
- (vii) LAN is.....
- (a) Local Access N/w (b) Local Area N/w
- (c) Both (a) and (b) (d) None of these
- (viii) In E-mail, BCC stands for.....
- (a) Blind Carbon Copy (b) Blink Carbon Copy
- (c) Both (a) and (b) (d) None of these
- (ix)layer is not present is TCP.
- (a) Internet (b) Application
- (c) Session (d) None of these
- (x) Intransmission mode, data transferred in one direction only.
- (a) Half duplex (b) Full duplex
- (c) Duplex (d) Simple

(Theory)

2. (a) Explain Data transmission modes. 5
- (b) Explain connection oriented and connectionless services. 5

Or

- (c) Explain Bridges. 5
- (d) Explain MODEM. 5
- 3. (a) Explain Ratio Transmission. 5
- (b) Explain Twisted Pair Cable. 5
- Or*
- (c) Explain the structure of telephone system. 5
- (d) Explain multiplexing. 5
- 4. (a) Explain Network Protocol. 5
- (b) Explain Web Server. 5
- Or*
- (c) Explain cryptography in detail. 10