



SA - 437

Total No. of Pages : 1

Seat No.	
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**B.C.A. (Faculty of Commerce) (Part - III) (Semester - V) (Revised)**

**Examination, April - 2019**

**COMPUTER NETWORK (Paper - 503)**

**Sub. Code : 66417**

Day and Date : Saturday, 27 - 04 - 2019

Total Marks : 80

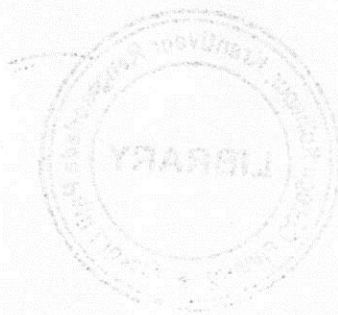
Time : 10.30 a.m. to 01.30 p.m.

- Instructions :
- 1) Attempt any 4 questions from Q.1 to Q.7.
  - 2) Question 8 is compulsory.
  - 3) Figures to the right indicate full marks.

- Q1)** a) Explain in detail simplex, half duplex and full duplex. [8]  
b) Explain transport layer primitives. [8]
- Q2)** a) Compare OSI and TCP/IP reference model. [8]  
b) Explain symmetric key and asymmetric key cryptography in detail. [8]
- Q3)** a) What is switching? Explain Packet Switching technique in detail. [8]  
b) Explain in detail types of network. [8]
- Q4)** Explain services provided by Session Layer. [16]
- Q5)** a) Explain design issues of network layer. [8]  
b) Explain synchronous and asynchronous transmission modes. [8]
- Q6)** What is routing? Explain shortest path and flooding routing algorithms. [16]
- Q7)** a) Explain network architecture in detail. [8]  
b) Explain Remote procedure calls in detail. [8]
- Q8)** Write short note on any four : [16]
- a) Protocol standards.
  - b) Simple Mail Transfer Protocol (SMTP).
  - c) Time-Division Multiplexing.
  - d) Characteristics of IP address.
  - e) Domain name system.



Date : 26/04/2019



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