Rajaram College Kolhapur, Krantiveer Rangeeodada Patil Library
LIBRARY

Seat No.	

SA - 437

Total No. of Pages : 1

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.

❖❖❖❖

SUK-92706