

Name:.....

Reg.No.....

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

EIGHT SEMESTER B.TECH (HONS.) EXAMINATION MAY 2019

Course Code: 08EC6252C

Course Name: COMMUNICATION NETWORKS



Time:3 hours

Max.marks: 60

Answer all six questions. Part 'a' of each question is compulsory.

Answer either part 'b' or part 'c' of each question

(add any other instruction specific to course here like the use of IS codes/design tables etc.)

Q.no.	Module 1	Marks
1.a	Write short notes on IP routing.	3
	<b>Answer b or c</b>	
b	Explain TCP/IP protocol stack.	6
c	Write notes on OSI reference model.	6
Q.no.	Module 2	Marks
2.a	Write notes on LAN.	3
	<b>Answer b or c</b>	
b	Explain QoS issues in networks.	6
c	Explain integrated service architecture.	6
Q.no.	Module 3	Marks
3.a	Write short notes on Real time transport protocol.	3
	<b>Answer b or c</b>	
b	Explain Differentiated services.	6
c	Explain RSVP.	6

<b>Q.no.</b>	<b>Module 4</b>	<b>Marks</b>
<b>4.a</b>	Write notes on discrete time Markov's chain.	<b>3</b>
<b>Answer b or c</b>		
<b>b</b>	Write notes on Poisson process.	<b>6</b>
<b>c</b>	Explain about mean value analysis.	<b>6</b>

<b>Q.no.</b>	<b>Module 5</b>	<b>Marks</b>
<b>5.a</b>	Write notes on stream session in packet networks.	<b>4</b>
<b>Answer b or c</b>		
<b>b</b>	Explain about multiplexing network performance.	<b>8</b>
<b>c</b>	How source characterization can be done in communication networks.	<b>8</b>

<b>Q.no.</b>	<b>Module 6</b>	<b>Marks</b>
<b>6.a</b>	Write notes on circuit multiplexed networks.	<b>4</b>
<b>Answer b or c</b>		
<b>b</b>	Explain deterministic analysis.	<b>8</b>
<b>c</b>	Explain stochastic analysis.	<b>8</b>