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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**B.Tech S8 (Hons) Exam May 2020****08EC6252C COMMUNICATION NETWORKS****Time: 3 hours****Max. marks: 60****Answer all six questions.**

Modules 1 to 6: Part 'a' of each question is compulsory and answer either part 'b' or part 'c' of each question.

Q.no.	Module 1	Marks
1.a	What is routing? Explain few considerations of an effective router.	(3)
	Answer b or c	
b	Draw ISO- OSI layered architecture and briefly explain the functions of each layer.	(6)
c	Discuss the functions of TCP and UDP in transport layer.	(6)
	Module 2	
2.a	Compare different types of channel multiple access methods.	(3)
	Answer b or c	
b	Explain different ARQ strategies for a damaged frame.	(6)
c	Discuss any one scheduling technique at packet multiplexed link.	(6)
	Module 3	
3.a	What is QoS? Explain its significance?	(3)
	Answer b or c	
b	Explain RSVP in detail.	(6)
c	Explain multi protocol label switching.	(6)
	Module 4	
4.a	Explain different characteristics of queuing system.	(3)

Answer b or c

- b Derive different queuing parameters of M/M/1 queuing system with infinite number of subscribers. (6)
- c Derive P-K formula of M/G/1 system. (6)

Module 5

- 5.a Explain voice activity detection. (4)

Answer b or c

- b Describe network performance and source characterization? (8)
- c Describe network delay, delay jitter and playout delay. (8)

Module 6

- 6.a Explain circuit multiplexed network? (4)

Answer b or c

- b Explain deterministic traffic models in detail. (8)
- c Explain stochastic traffic models in detail. (8)