CBCS SCHEME

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17CS52

Fifth Semester B.E. Degree Examination, Aug./Sept.2020 Computer Networks

Time: 3 hrs. Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

1	a.	Compare client-server and peer-to-peer architecture.	(06 Marks)
	b.	What are the different types of transport services provided by the internet?	(08 Marks)
	c.	With a general format, explain the HTTP Request and HTTP Response messages.	(06 Marks)

OR

2	a.	Explain FTP commands and replies.	(08 Marks)
	b.	What are the services provided by DNS?	(04 Marks)
	C.	Write a short note on:	

3	a.	Explain UDP segment structure.	(06 Marks)
	b.	With the help of FSM, describe the sender side and receiver side of rdt 2.0.	(08 Marks)
		Explain Selective Repeat Protocol.	(06 Marks)

Module

OR

4	a.	With a neat diagram, explain TCP segment structure and its fields.	(08 Marks)
	b.	Explain the way handshake and closing a TCP connection.	(08 Marks)
	c.	Define the following	

i) Multiplexing
 ii) Demultiplexing

i) Web caching

ii) SMTP.

iii) TCP iv) UDP.

(04 Marks)

(08 Marks)

Module-3

	a.	List and explain three switching techniques with a neat diagram.	(10 Marks)
	b.	With the help of FSM, describe the sender side and receiver side of rdt 2.0.	(10 Marks)

OR

- 6 a Write the algorithm for the following:
 - i) Link-state
 - ii) Distance vector.

(08 Marks)

- b. Write a short note on :
 - i) Broadcast routing
 - ii) Multicast routing.

(12 Marks)

1 of 2

tant Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

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