R13

Time: 3 hours   Max. Marks: 75

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A
(25 Marks)

1.a)	What is Frame Relay?	[2]
b)	Write about communication satellites.	[3]
c)	Define time domain reflectometry.	[2]
d)	Difference between Pure ALOHA and slotted ALOHA.	[3]
e)	Write about Jitter control.	[2]
f)	Write down the design issue of network layers.	[3]
g)	Write about Tunneling.	[2]
h)	What are the concepts of extension header in IPv6?	[3]
i)	Compare RPC and RTP.	[2]
j)	How does persistence timer is useful in TCP ?	[3]

PART - B
(50 Marks)

2.   Explain and demonstrate Selective repeat sliding window Protocol with an example.
                                                                                   [10]

OR

3.a)   Write short notes on Wireless Transmission.
  b)   Describe in detail about Lightwave transmission.   [3+7]

4.   What is the purpose of CSMA CD? And Explain it.   [10]
OR
5.   Explain about the following:
       a) Spanning Tree Bridge
       b) Remote bridge.   [5+5]

6.   Write briefly about Congestion control in datagram subnets.   [10]
OR
7.   Write an example, demonstrate how to make routing table using distance vector routing. And list down the limitation.   [10]

8.   How would you describe the operation of Address resolution protocol?   [10]
OR
9.   Explain in detail about crash recovery.   [10]

10.   How would you summarize the concept of e-mail, its architecture and services?   [10]
OR
11.   Describe in detail about TCP segment header and connection Establishment.   [10]

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