

01

2012 Revised

1. (a) Comparison any ~~two~~ five points - 5M

(b) Cut to infinity example with neat representation - 5M

(c) UDP header format - 2M

Explain each field - 3M

(d) Each method with example $-2\frac{1}{2} \times 2 = 5M$

Q₃

(a) CRC generator - $2\frac{1}{2}M$

Checker - $2\frac{1}{2}M$

Example generator - $2\frac{1}{2}M$

Checker - $2\frac{1}{2}M$

(b) selective repeat with neat diagram

Window - 8M
with example

advantages - 2M

4.

(a) Three generator - 6M

Frame format - 4M

(b) Shortest path routing protocol - 6M

Example - 4M

5

(a) IPv6 header format - 6M
with explanation

Comparison and advantages - 4M

(b) TCP Congestion Control Introduction - 2M

Two algorithms

slow start - 4M

Internet Congestion - 4M

6.

(a) Cable Television System diagram - 2M
explanation - 3M

(b) HDLC frames (3) - 5M

(c) OSPF frame format and each field
explanation - 5M

(d) TCP timer Management with graph - 5M

(e) Any five points Comparison - 5M

2.

(a) OSI model with router (7 layer) - 5M
each layer explanation - 3M

protocols - 2M

(b) PSTN diagram - 5M

explanation - 5M