

~~Ans~~ Ans to the Q-1

01010 11111 01 000000 10 1111 01  $\Rightarrow$  data

0111110 01010 1111 10 1010000001 01111101 0111110  
 starting flag ✓ inserted Ending Flag.

01010 11111 010 00000 101111 01 0111110  
 data flag.

Ans to the Q-3

Physical layer coding infractions is the final framing approach, which is suitable to networks with considerable redundancy in the physical media encoding. In such circumstances, a 1 bit represents a low high-low pair and a 0 bit represents a low-high pair. Frame boundaries can be marked with combination of low-low and high-high that are not used for data.

Ans to the Q-4

A router is classified as a layer-3 device because it bases its principal forwarding decisions on information included in layer-3 IP packets, specifically the destination IP address.



Ans to the Q-2

