

# **SOLUTION QUIZ-06 BCS-5A**

## **QUESTION-01**

1. A
2. D
3. A

## **TRUE/FALSE**

- i. True
- ii. True

## **QUESTION-02**

1. Host F
2. Router C
3. Source: IP =  $IP_B$ , MAC =  $MAC_B$  ; Destination: IP =  $IP_A$ , MAC =  $MAC_{C1}$
4. Source: IP =  $IP_A$ , MAC =  $MAC_A$  ; Destination: IP =  $IP_F$ , MAC =  $MAC_F$

## **QUESTION-03**

1. Source MAC: AA-BB-CC-11-22-33, Destination MAC: FF-FF-FF-FF-FF-FF
2. Source MAC: CC-DD-EE-11-22-33, Destination MAC: AA-BB-CC-11-22-33

## **QUESTION-04**

a) Packet on link from S1 to R1:

Source IP: IP1  
Destination IP: IP12

Source MAC: MAC1  
Destination MAC: MAC4

b) Packet on link from NAT to R1:

Source IP: IP12  
Destination IP: IP1

Source MAC: MAC6  
Destination MAC: MAC5