

## 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<sub>B</sub>, MAC = MAC<sub>B</sub> ; Destination: IP = IP<sub>A</sub>, MAC = MAC<sub>C1</sub>
4. Source: IP = IP<sub>A</sub>, MAC = MAC<sub>A</sub> ; Destination: IP = IP<sub>F</sub>, MAC = MAC<sub>F</sub>

### 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