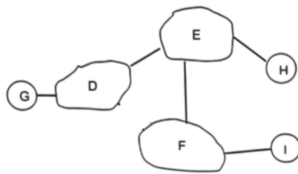


## SOLUTION QUIZ-05 BCS-5A

### QUESTION-01

1.  $X \rightarrow AS1 \rightarrow AS4 \rightarrow AS5 \rightarrow AS3 \rightarrow Y$
2. Hot Potato Routing and Inter-AS Routing

### QUESTION-02



The D and F connections aren't known to H. So only E-F-I and E-D-G will be advertised to it.

### QUESTION-03

1.  $A \rightarrow C \rightarrow D$  with total cost 5
- 2.

Forwarding table in A		
Destination	Cost	Next Hop
A	0	—
B	3	B
C	4	C
D	4	B

Forwarding table in C		
Destination	Cost	Next Hop
A	4	A
B	2	D
C	0	—
D	1	D

3.

Forwarding table in A		
Destination	Cost	Next Hop
E	6	B

Forwarding table in B		
Destination	Cost	Next Hop
E	3	D

Forwarding table in C		
Destination	Cost	Next Hop
E	3	D

Forwarding table in D		
Destination	Cost	Next Hop
E	2	E