

ASSIGNMENT – 3

Exercise - 1

CSCI-6708 Advanced Network Security

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Exercise 1:

a) access-list 110 deny ip 170.16.10.5 0.0.0.0 170.16.80.16 0.0.0.0

access-list 110 permit ip any any

R3 # interface E0

Ip access group 1 out

b) access-list 2 deny 170.16.40.0 0.0.0.255

access-list 2 permit 170.16.0.0 0.0.255.255

R2 # interface E0

Ip access group 2 out

c) access-list 102 deny tcp 170.16.50.75 0.0.0.0 170.16.70.2 0.0.0.0 eq 80

access-list 102 deny tcp 170.16.50.7 0.0.0.0 170.16.70.2 0.0.0.0 eq 80

access-list 102 permit ip any any

R3 # interface E0

Ip access group 102 out

d) access-list 103 permit tcp 170.16.80.16 0.0.0.0 170.16.40.89 eq 23

access-list 103 deny tcp 170.16.80.0 0.0.0.255 170.16.40.89 eq 23

access-list 103 permit ip any any

R2 # interface E1

Ip access group 103 out

e) access-list 104 permit tcp 170.16.10.5 0.0.0.0 170.16.70.0 0.0.0.255 range 20-21

```
access-list 104 deny tcp 170.16.0.0 0.0.255.255 170.16.70.0 0.0.0.255 range 20-21
```

```
access-list 104 permit ip 170.16.0.0 0.0.255.255 any
```

```
R3 # interface E1
```

```
Ip access group 104 out
```

f)

```
access-list 5 deny 170.16.20.0 0.0.0.255
```

```
access-list 5 permit any
```

```
R3 # interface E1
```

```
Ip access group 5 out
```

g)

```
access list 101 permit ip 170.16.70.2 0.0.0.0 170.16.0.0 0.0.255.255
```

```
access-list 101 deny ip 170.16.70.2 0.0.0.0 any
```

```
access-list 101 permit ip any any
```

```
R3 # interface E1
```

```
Ip access group 101 in
```