



Kafrelsheikh University - Faculty of Engineering			
Course	Network Security	Date	31/5/2018
Time	2 Hours	Mark	40
Students	4 <sup>th</sup> year Electronics and Electrical Communications		

This exam measures ILOs no.: a. 8. a.12, b.1, b.3.

Answer all the following questions:

**Q1. Explain in detail the flowing terms:** (10 Marks)

a. Smurf attacks.

b. SYN Flood Attack

**Q2. In the following configuration:** (10 Marks)

```
R1(config)# time-range EMPLOYEE-TIME
R1(config-time-range)# periodic weekdays 12:00 to 13:00
R1(config-time-range)# periodic weekdays 17:00 to 19:00
R1(config-time-range)# exit
R1(config)# access-list 100 permit ip 192.168.1.0 0.0.0.255 any time-range
EMPLOYEE-TIME
R1(config)# access-list 100 deny ip any any
R1(config)# interface FastEthernet 0/1
R1(config-if)# ip access-group 100 in
R1(config-if)# exit
```

a- Explain the configuration code. (5 Marks)

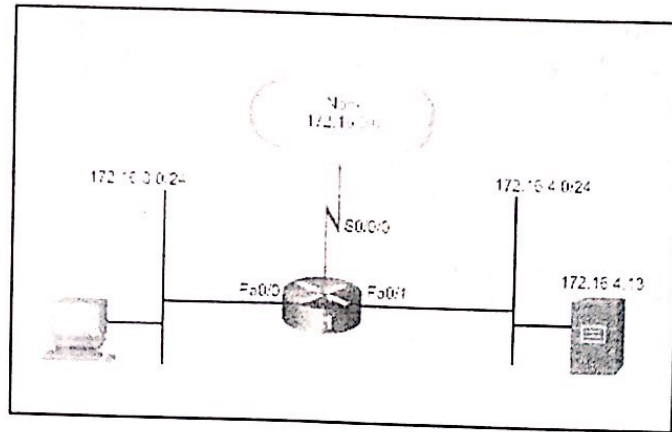
b- Write a configuration code so that it denies access to the internet only during Sundays from 14:00 to 16:00. (5 Marks)

**Q3. In the following configuration, we need the hosts in the 172.16.4.0 network to access the 172.16.3.0 using FTP protocol and not access the internet, but the access list does not work as intended.**

(10 Marks)

- R1(config)# access-list 101 deny tcp 172.16.4.0 0.0.0.255 172.16.3.0 0.0.0.255 eq 21
- R1(config)# access-list 101 deny tcp 172.16.4.0 0.0.0.255 172.16.3.0 0.0.0.255 eq 20
- R1(config)# access-list 101 permit ip any any
- R1(config)# interface FastEthernet 0/1
- R1(config-if)# ip access-group 1 in

Handwritten notes in Arabic, including the number '1' and some illegible text.



- Explain why this configuration code not working.
- Write the correct code.

(5 Marks)  
(5 Marks)

Q4. In the following configuration:

(10 Marks)

```

R1# show login failures
Total failed logins: 22
Detailed information about last 50 failures

Username      SourceIPAddr      Port Count Timestamp
-----
admin         1.1.1.1           23      5      15:58:34 UTC Wed Dec 10 2008
Admin        10.10.10.10       23     13     15:58:43 UTC Wed Dec 10 2008
admin        10.10.10.10       23      3     15:57:14 UTC Wed Dec 10 2008
cisco        10.10.10.10       23      1     15:57:21 UTC Wed Dec 10 2008
  
```

- Explain the configuration code?
- What is the difference between the show and debug commands?

(5 Marks)  
(5 Marks)

Good Luck and Best Wishes

Dr. Ibrahim Elashry

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