CONTROL NO.

KINGDOM OF BAHRAIN

MINISTRY OF EDUCATION

INTERNAL EXAMS SECTION

امتحان الدور الثاني لتخصص صيانة الحاسوب للعام الدراسي (2024/2023م)

المستوى الثالث -التعليم الفني والمهني – المسار الصناعي

COURSE CODE: حاس805 **تخصص صيانة الحاسوب** **TIME:** 90 minutes

TOTAL MARKS IN WORDS

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40

Question No.	Max. Mark	Student's Score	Marked By	Signature
1	20			
2	10			
3	5			
4	5			
Total	40			

TOTALED BY:

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SIGNATURE:

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CHECKED BY:

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SIGNATURE:

.....

Model

الرقم السري

مملكة البحرين
وزارة التربية والتعليم
قسم الامتحانات الداخلية

بطاقة الطالب

المستوى الثالث / المسار الصناعي
امتحان الدور الثاني للعام الدراسي 2024/2023م

رقم اللجنة: ( )
أسماء الملاحظين:
1- .....
2- .....

مدرسة / معهد: .....

رمز المقرر: حاس805 **اسم المقرر:** صيانة الحاسوب **رقم الطالب** (بالإنجليزي): .....

اسم الطالب: .....

تمت مراجعة الامتحان ووجد أن عدد أوراقها كاملة والطباعة واضحة. توقيع الطالب: .....

LIVEWORKSHEETS

Notice: Please note that the exam contains (7) pages excluding the cover

Course Name: الصيانة الحاسوب **Level:** Year 3

Course Code: حاس 805 **Time:** 90 Minutes

تعليمات هامة:

1. تأكد من عدد أوراق الأسئلة (7).
2. أكتب اسمك والرقم الأكاديمي على ورقة الغلاف **فقط** بالقلم الحبر الجاف.
3. لا تكتب أي بيانات شخصية على ورقة الأسئلة.
4. أستخدم القلم الحبر الجاف الأزرق أو الأسود **فقط**.
5. اقرأ أسئلة الامتحان بعناية قبل البدء بالإجابة.
6. أجب على جميع الأسئلة في نفس ورقة الامتحان.

Model Answer

Part 1: Multiple Choice

Answer all questions. Circle the letter of the correct answer in this sheet.

1	Static routing provides some advantages over dynamic routing. In the following statements, which is not an advantage of static routing?	
	a	Static routing is less secure than dynamic routing protocols
	b	**Static routes use less bandwidth than dynamic routing protocols**
	c	Static routes require more CPU than dynamic routes
	d	Static routes can be more complex to implement in small network topology
2	Which of the following routing protocol is known as the Cisco proprietary routing protocol that is often describe as a hybrid routing protocol?	
	a	Static
	b	RIP
	c	OSPPF
	d	**EIGRP**

LIVEWORKSHEETS

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3	Which of the following prompt tells that a Router is in privileged exec mode?	
a	Router>	
b	**Router#**	
c	Router(config)#	
d	Router(config-if)#	

4	Which command shows the current configuration of a router?	
a	show ip route	
b	show interface	
c	show version	
d	**show running-config**	

5	Which global configuration command configures an IPv4 static default route using the next-hop address 10.0.0.1?	
a	Router(config)# ip route 0.0.0.0/0 10.0.0.1	
b	Router(config)# ip route 0.0.0.0 10.0.0.1	
c	Router(config)# route 0.0.0.0 0.0.0.0 10.0.0.1	
d	**Router(config)# ip route 0.0.0.0 0.0.0.0 10.0.0.1**	

6	When you use the RIP protocol in a router, which of the following command syntax is correct?	
a	**R1(config)#router rip R1(config-router)#network 192.168.1.0 R1(config-router)#network 192.168.2.0**	
b	R1(config)#router rip R1(config-router)#network 255.255.255.0 R1(config-router)#network 255.255.255.0	
c	R1(config)#router rip R1(config-router)#network s0/0/0 R1(config-router)#network s0/0/0	
d	R1(config)#router rip R1(config-router)#network class 0.0.0.0 R1(config-router)#network class 0.0.0.0	

Model Answer

LIVEWORKSHEETS

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7 Default routes are used to route packets with destinations that do not match any of the other routes in the routing table. A default route is actually a special static route that uses this format: ip route 0.0.0.0 0.0.0.0 [next-hop-address | outgoing interface]

FIGURE 4

Given the topology above (FIGURE 4), which from the following choices show the correct default-route configuration using the next-hop address?

a	**Sterling (config)# ip route 0.0.0.0 0.0.0.0 172.16.2.2**	
b	Sterling (config)# ip route 0.0.0.0 0.0.0.0 172.16.2.0	
c	Sterling (config)# ip route 0.0.0.0 0.0.0.0 172.16.4.1	
d	Sterling (config)# ip route 0.0.0.0 0.0.0.0 172.16.4.2	

8 How many bits in IPv4 address

a	28	
b	30	
c	**32**	
d	128	

9 How many valid Host IP address in class c

a	255	
b	**254**	
c	265	
d	128	

Model Answer

LIVEWORKSHEETS

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10	What is the subnet mask for class B IP address	
	a	255.255.255.0
	b	255.2555.255.255
	c	**255.255.0.0**
	d	255.0.0.0
11	The IP address 127.0.0.1 IS	
	a	Private
	b	Public
	c	**loopback**
	d	APIPA
12	Which is the following is public IP address	
	a	192.168.0.15
	b	10.0.0.2
	c	172.16.1.22
	d	**64.16.12.22**
13	What is the following is private IP address	
	a	**10.0.1.132**
	b	65.10.16.32
	c	172.0.0.1
	d	169.16.240.
14	What is the network portion of IP 172.16.0.0/16	
	a	N.H.H.H
	b	N.nnnhhh.H.H
	c	N.N.N.H
	d	**N.N.H.H**

Model Answer

LIVEWORKSHEETS

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15	What is the wild card of this subnet mask 255.255.255.252	
a	0.0.0.252	
b	0.0.0.64	
c	**0.0.0.3**	
d	0.0.0.2	

16	Which from the following devices is used to communicate between different subnet	
a	**Router**	
b	Hub	
c	bridge	
d	switch	

17	Which of the following prompt tells that a router is in interface configuration mode?	
a	**Router(config)#**	
b	Router#	
c	Router>	
d	Router(config-if)#	

18	Which of the command below should you use to be able to configure the ip address 192.168.3.3/24 in router R1 into interface s0/0/1?	
a	R1(config)#Interface s0/1/0 R1(config-if)#ip address 192.168.3.3 255.255.255.0	
b	**R1(config)#Interface s0/0/1 R1(config-if)#ip address 192.168.3.3 255.255.255.0**	
c	R1(config)#Interface s0/0/1 R1(config-if)#ip address 192.168.3.3 255.255.0.0	
d	R1(config)#Interface s0/0/1 R1(config-if)#ip address 192.168.3.3 255.0.0.0	

19	Which of the following command below should you use to configure the console password?	
a	line vty 0 5	
b	**enable console**	
c	line console 0	
d	console password	

Model Answer

LIVEWORKSHEETS

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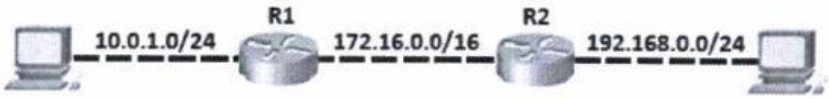
20	Given the topology below (FIGURE 7), which series of commands correctly configure dynamic routing on a single area network using OSPF? 	
	a	**R1 (config)# router OSPF 1** **R1 (config-router)# network 10.0.1.0 0.0.0.255 area 0** **R1 (config-router)# network 172.16.0.0 0.0.255.255 area 0** **R2 (config)# router OSPF 1** **R2 (config-router)# network 192.168.0.0 0.0.0.255 area 0** **R2 (config-router)# network 172.16.0.0 0.0.255.255 area 0**
	b	R1 (config)# router OSPF 1 R1 (config-router)# network 10.0.1.0 0.0.0.255 area 0 R1 (config-router)# network 172.16.0.0 0.0.255.255 area 0 R2 (config)# router OSPF 1 R2 (config-router)# network 192.168.0.0 0.0.0.255 area 1 R2 (config-router)# network 172.16.0.0 0.0.255.255 area 1
	c	R1 (config)# router OSPF 1 R1 (config-router)# network 10.0.1.0 0.0.0.255 area 0 R1 (config-router)# network 172.16.0.0 0.0.255.255 area 0 R2 (config)# router OSPF 1 R2 (config-router)# network 192.168.0.0 0.0.0.255 area 1 R2 (config-router)# network 172.16.0.0 0.0.255.255 area 1
	d	R1 (config)# router OSPF 1 R1 (config-router)# network 10.0.1.0 0.255.255.255 area 0 R1 (config-router)# network 172.16.0.0 255.255.0.0 area 0 R2 (config)# router OSPF 1 R2 (config-router)# network 192.168.0.0 0.0.0.255 area 0 R2 (config-router)# network 172.16.0.0 0.0.255.255 area 0

Part1: Short Answers

Q 1) Static routing provides some advantages over dynamic routing. Write one advantages of **static** routing

----------use less cpu cycle ----------

Q 2)Which part of the router maintains instructions for power-on self-test (POST) diagnostics?

----------ROM----------

Q 3) Which part of the router stores routing tables?

----------NRAM----------

Q 4)Which part of the router holds the operating system image (IOS)?

----------FLASH----------

Q 5)dynamic routing provides some advantages over static routing. Write one advantages of **Dynamic** routing

----------USE in large network ----------

Model Answer

LIVEWORKSHEETS

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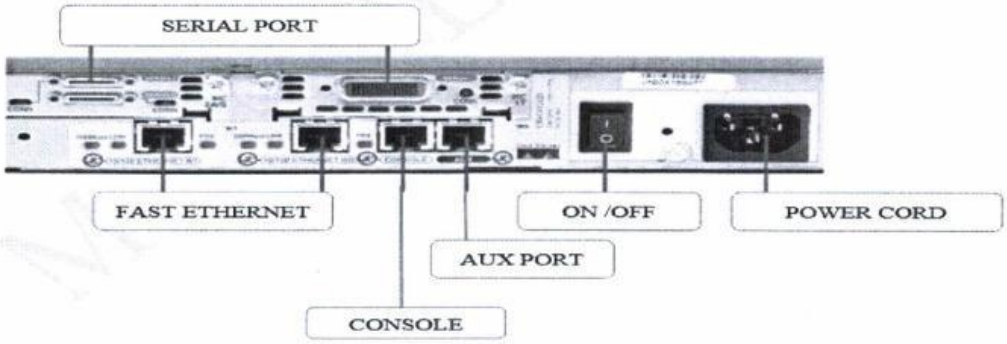
Part 3:

The figure below shows the back side of router. Label the interface names



Part 4:

Convert the ip address to binary

Decimal	Binary
209.165.201.22	11010001.10100101.11001001.00010110
172.16.18.19	10101100.00010000.00010010.00010011
10.86.252.171	00001010.01010110.11111110.10101011
255.255.224.122	11111111.11111111.11100000.01111010
255.255.128.0	11111111.11111111.10000000.00000000

End of Exam

Model Answer

LIVEWORKSHEETS