

LAGOS CITY POLYTECHNIC, IKEJA
SCHOOL OF ENGINEERING AND APPLIED SCIENCE
DEPARTMENT OF ELECT/ELECT COMPUTER ENGINEERING
2015/2016 SEMESTER EXAMINATION

1. (a) Compare and contrast the OSI model and the DOD model.
 (b) Explain network communication using the CISCO layer hierarchy model.

COURSE TITLE: CIS NETWORKING

NO OF QUESTION: 6

COURSE CODE: ICT 303

TIME: ALLOWED:

2HRS

FOR WHOM: HND YR I CE, EE P/T INSTRUCTIONS:

Answer

2. (a) When a router is first booted, where is the IOS loaded by default.

1. (b) What is the purpose of configuring passwords on line configurations.
 (a) Compare and contrast the OSI model and the DOD model.

- (c) State 5 functions of a Cisco router
 (b) Explain network communication using the CISCO layer hierarchy model.

- (d) What is the maximum number of IP address that can be assigned on a local subnet
 (c) Explain the process of bringing up a Cisco router.

- that uses the 255.255.255.224 subnet mask?
 (d) Explain briefly the 3(three) ways of accessing a Cisco router.

3. (a) How do you set your Telnet password on a router.
 2. (a) When a router is first booted, where is the IOS loaded by default.

- (b) How do you set the password for the auxiliary port?
 (b) What is the purpose of configuring passwords on line configurations.

- (c) Which commands will encrypt your Telnet password on a Cisco router.
 (c) State 5 functions of a Cisco router

- (d) You need to configure a server that is on the subnet 192.168.19.24/29. The router has subnet
 (d) What is the maximum number of IP address that can be assigned on a local subnet that uses the 255.255.255.224 subnet mask?

4. (a) If you were designing a network and needed to break up collision domain, at which
 (a) How do you set your Telnet password on a router.

- Cisco layer would you provide this function? and why?
 (b) How do you set the password for the auxiliary port?

- (b) List and explain any 7 protocols.
 (c) Which commands will encrypt your Telnet password on a Cisco router.

- (c) You need to subnet a network that has 5 subnets each with at least 16 hosts, which has
 (d) You need to configure a server that is on the subnet 192.168.19.24/29. The router has

- classful subnet mask would you use?
 (d) the first available host address, which address would you assign to the server?

- large
 4. (a) If you were designing a network and needed to break up collision domain, at which
 organisation named Wilson solutions. The design requires 100 separate subnet works, so
 Wilson solutions has acquired a class B network address. What
 subnet mask will provide the 100 subnet works required, if 500 usable host address

- are requires per subnet.
 (b) List and explain any 7 protocols.

5. (a) Your boss at Network solutions asks you why you are using a router to segment at
 (c) You need to subnet a network that has 5 subnets each with at least 16 hosts, which
 main office. What are the benefits? What would you tell her?

- (b) You work as a network consultant, you are planning a network installation for a large
 Explain the steps of verifying the status of a Network connectivity.

- (c) organisation named Wilson solutions. The design requires 100 separate subnet works, so
 Wilson components of a Cisco router.
 Wilson solutions has acquired a class B network address. What
 subnet mask will provide the 100 subnet works required, if 500 usable host

