CSC& CSM – MS Office and Networking

T085

Thursday, 06/11/2014

8:30 - 11:30 AM



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ADVANCED LEVEL NATIONAL EXAMINATIONS, 2014 TECHNICAL AND PROFESSIONAL TRADES

EXAM TITLE: Microsoft Office and Networking

OPTIONS:

- Computer Science (CSC)

- Computer Science and Management (CSM)

DURATION: 3hours

INSTRUCTIONS:

The paper is composed of three (3) main Sections:

Section I: Thirteen (13) questions, all Compulsory.

55marks

Section II: Five (5) questions, Choose any Three (3).

30marks

Section III: Three (3) questions, Choose any One (1).

15marks

SECTION I. THIRTEEN (13) COMPULSORY QUESTIONS

01. Give two (2) clear statements about Local Area Networks (LAN). 4marks **02.** Define the functions of the following: a) WAN a) Modem b) Insert -> Text box in power point c) F5 in power point 8marks **03.** Give the meanings of the following: a) gutter margin b) internet c) bandwidth d) Portrait. 8marks **04.** What is the meaning of this tool (\P)? 2marks **05.** What is the equivalent of a Terabyte in gigabyte? 2marks **06.** Identify three resources that Computer on server/client environment enables to be shared by multiple users at the same time? 3marks **07.** Write any two (2) valid versions of Microsoft Office. 4marks **08.** Differentiate Hardware from software. 4marks **09.** Distinguish dropping and dragging. 4marks **10.** Define clearly Kernel. 5marks 11. Name five (5) main tasks of Kernel. 5marks **12.** How does a device initiate a conversation with a CPU? 1mark 13. Give three (3) examples of operating systems and two(2) of application software. 5marks

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SECTION II. CHOOSE AND ANSWER ANY THREE (3) QUESTIONS

14. A physical topology defines the way in which computers, printers, and other hosts are connected to a network. A logical topology describes how the hosts access the medium and communicates on the network.

Explain and draw schema for three physical topologies on your choice 10marks

15. The following exhibit shows the NIC configuration of Host on the Network.

```
Physical Address.
                                         00-50-56-C0-00-01
DHCP Enabled.
Autoconfiguration Enabled
Link-local IPv6 Address .
                                         fe80::c41f:de09:b09a:613dx13(Preferred)
                                         192.168.117.1(Preferred)
255.255.255.0
IPv4 Address. .
Subnet Mask .
Default Gateway
DHCPv6 IAID . .
                                         192.168.117.254
                                             450966
DHCPv6 Client DUID.
                                         00-01-00-01-1A-C1-AB-AE-B4-99-BA-DF-40-2
DNS Servers .
                                         42.67.78.64
                                         42.67.88.94
Enabled
NetBIOS over Topip. . .
```

What is the IP address of the Router address?

10marks

16. Suppose the spreadsheet is having the following cell and values:

| Cells | Values |
|-------|--------|
| C2 | 12 |
| C3 | 44 |
| C4 | 21 |
| C5 | 43 |

What will be the answer of the following formulas?

- a) =sum(C2:C5)
- b) =average(C5:C2)
- c) = $((\max(C2:C5))*2)$
- d) = ((count(C5:C2))+C2)

10marks

17. List correctly all the seven (7) layers of OSI Model and Match them with the four (4) layers in TCP/IP Model.10marks

18. What are the two (2) advantages and two (2) disadvantages of STP

versus UTP cables?

10marks

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SECTION III. CHOOSE AND ANSWER ANY ONE (1) QUESTION

- **19.** What is the use of the following Commands used in networking:
 - a) Ping
 - b) Ipconfig
 - c) Tracert
 - d) Nslookup

15marks

- **20.** Network Operating System: is a software program that controls other software and hardware running on a network. It also allows multiple computers, known as network computers, to communicate with one central hub and each other to share resources, run applications, and send messages. The same NOS serves to run servers that also support different server services such as File server, DHCP server, DNS server and Web Server etc Q/Give two (2) different examples of NOS Windows based and one (1) Unix based Network Operating System. 15marks
- 21. Give four (5) different valid IP addresses of class C.

15marks

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