CSC&CSM- MS Office and Networking TO97

Thursday, 17/11/2016

08:30 - 11:30

WORKFORCE DEVELOPMENT AUTHORITY



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ADVANCED LEVEL NATIONAL EXAMINATIONS, 2016, TECHNICAL AND PROFESSIONAL STUDIES

EXAM TITLE: Microsoft Office and Networking

OPTIONS:

Computer Science (CSC)

Computer Science and Management (CSM)

DURATION:

3 hours

INSTRUCTIONS:

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

Section I: Twenty-two (22) compulsory questions.

55 marks

Section II: Attempt any three (3) out of five questions.

30 marks

Section III: Attempt **any one (1)** out of three questions.

15 marks

Note:

Every candidate is required to carefully comply with the above instructions. Penalty measures will be applied on their strict consideration.

01.	What is computer networking?	3marks			
02.	Explain the term protocol.	3marks			
03.	What is a Digital Subscriber Line (DSL)?	3marks			
04.	Define Nslokup tool in networking?	4marks			
05.	Give at least five Radio waves frequencies which are used in a wide				
	range of wireless communication.	5marks			
06.	Explain the considerations to bear in mind when selecting or buying a				
	NIC to use on a network?	5marks			
07.	In MS-Word, for what does ruler help?	3marks			
08.	Which portion of LAN management software restricts access, records use	r			
	activities and audit data etc?	2marks			
09.	What is the central device in star topology?	2marks			
10.	Which server allows LAN users to share computer programs and data?	2marks			
11.	Which topology is used for large networks?	2marks			
12.	Why are pairs of wires twisted together in UTP cable?	3marks			
	Read carefully and fill in the following statements with the convenient response.				
	NB: Write complete sentences.				
13.	A character that is raised and smaller above the baseline is known as:				
	- Raised, - Capscript,				
	- Outlined, - Superscript	2marks			
14.	Which of the following formulas will not be calculated using	g Excel?			
	=SUM(Sales); =SUM(A1:A5)/(10-10);				
	=SUM(A1:A5)*0.5; $=SUM(A1:A5)-10)$	2marks			
15.	Which button do you click to add up a series of numbers?	2marks			
	- The AutoSum button; - The Quick Total button;				
	- The Formula button; - The Total button	2marks			
16.	When using PowerPoint, to play a Power Point show for previewing the show,				
	select				
	- View, slide; - View outline	2marks			
	*				

17 .	7. The device used in a data communication network to perform the conversion						
	between analogue and digital signals,						
	- Front end processor;- Modem;	- Decoder; - Multiplexer	2marks				
18.	The Internet offers different services.	Distinguish among the followin	g which one				
	listed below is incorrect?						
	Chat room;Electronic mail;	- Off line shopping; - World Wide Web	2marks				
19.	A router		2marks				
	 Forwards a packet to all outgo Forwards a packet to the next 		n which the				
20.	The Internet is an example of a		2marks				
	Cell switched network;Packet switched network;	- Circuit switched network					
21.	The device operating at Data link laye	r is	2marks				
	- Bridge; - Route						
22.	If a computer on the network shares r	esources for others to use, it is c	alled				
	- Server; - Client;		ŧ				
~	- Mainframe		2marks				
Sec	tion II. Choose and answer any three	; (3) questions.	30marks				
23.	(A) Consider the address 192.168.10.0	0 /28 calculate the No of subnet.					
	(B) What are common software problem						
	(C) Give some examples of private net		10marks				
24.	Define extranet. In what companies m	ay use extranet? List five.	10marks				
	Explain four phases of how dhep clien		10marks				
26.	How are charts useful in Excel? Comp	are any three chart types availab					
	**	on many	10marks				

27. Write formulas for the operations (a) – (d) based on the spreadsheet given below along with the relevant cell address:

	A	В	C	D	E	F	G
1	SNO	Name	Science	Maths	Computers	Total	Average
2	1	RUKUNDO	70	80	87		
3	2	AMANI	90	98	89		
4	3	RUGWIRO	90	90	98	(<u> </u>	
5	4	KAMANZI	60	76	78		
6	5	KALISA	50	45	67		
7	Max						
8	Total						

- a. Calculate the Total Marks as sum of Science, Maths & Computers for each student and display them in column F.
- b. Calculate the average marks for each student and display them in column G.
- c. Calculate the highest marks in Computers and display it in cell E7.
- d. Calculate the total number of students appearing for the Science test and display it in cell C8.

Section III. Choose and answer any one (1) question.

15marks

- **28.** The data encapsulation is the process by which the data get modified by each layer being prepared to be transmitted over the network. During that process some layer will add different headers. Which are the OSI layer responsible for the below different types of headers:
 - a. Frames
- c. Packets
- b. Segments
- d. Bits
- **29.** Differentiate a router from a switch? And give the layer of TCP/IP model by which we found the router and the switch?
- **30.** What is the difference between the HALF-DUPLEX and FULL-DUPLEX?