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DIRICTST ASSESMENT TEST
te of Secondary Education 2014
451/1 MDV (TEED, CITY D. VEG.
MPUTER STUDIES Paper 1

Paper 1 July / August- 2014

INSTRUCTIONS TO CANDIDATES:

- \Leftrightarrow This paper consists of 2 sections A and B.
- riangle Answer all the questions in sections A
- \Leftrightarrow Answer question 16 and any other three questions from section B

For Examiners Use Only

Section	Question	Score
A	1 - 15	
В	16	
	17	
	18	
	19	
	20	
	Total marks	

This paper consists of 8 printed pages. Candidate should check to ascertain that all pages are printed as indicated and that no questions are missing.

	SECTION A (40 MARKS)	
1.	State two practices to be observed in order to ensure the safety of the computer user.	(2mks)
	a co	
2.	State the function of the following keys on the computer key board	(2mks)
	(a) Insert	
	(4) D-1-4- 19	•••••
	(b) Delete	
3.	Name three responsibilities that are carried out by a network administration.	(3mks)
.01	₹ [¢]	
40 ³ C	List and describe three guidelines that should be followed when conducting an interv	
,	information gathering	(3mks)
		•••••
		•••••
5.	(a) Define portability as used in software selection.	(1mk)
	(b) List four ways of acquiring software in an organization.	(2mks)
		•••••
		•••••
6.	(a) Subtract 110 ₂ from 11010 ₂	(1mk)

	(b) Find the sum of binary number 101.101_2 and 110.100_2	(1mk)
	(c) Convert binary number 101.101 ₂ and 110.100 ₂ (c) Convert binary number 11010110.1001 ₂ into octal number.	(1mk)
no.	(c) Convert binary number 11010110.10012 into octal number. Rose Valent	(3mks)
Y		
8.	State the function of each of the following. (a) Network Interface Card	(1mk)
	(b) Modem	(1mk)
	(c) Repeaters	(1mk)
9.	How does an operating system manage computer memory	(2mks)
10.	List four factors to be considered when purchasing an operating system.	(2mks)
		•••••
11.	Write an algorithm to computer the area of a circle.	(2mks)

1	12.	(a)	List three ways by which you can provide a common link or relationship be	etween the tables
			in a database software.	(3mks)
		•••••		
		•••••		
		(b)	What is referential integrity	(1mk)
1	13.	List f	four types of publications that ca be designed using DTP software.	(2mks)
		, cs	· Rage	
	size.	 e '		
Eot no	Ļ ≇.	(a)	List four stages in data collection.	(2mks)
\$0°E				
		(b)	What is meant by the following	(2mks)
		(i	i) Reference file	
		(i	ii) Report	
1	15.	Expl	ain the following terms.	(2mks)
		(a)	Computer fraud	
		•		•••••
		•		
		(b)	Alteration	
		•		
		•		

SECTION B (Answer question 16 and any other three questions from this section)

16. (a)When invoicing customers, the invoice clerk has to work out the discounts allowable on each order. Any order over 20,000/= attracts a "bulk" discount of 7%. A customer within the trade is allowed 10%. There is also a special discount of 2% allowed for any customer who has been ordering regularly for over a years. Using a flowchart show clerical procedure for working out discount entitlement.

CSE Past Page

	(b) Name the control structures you have used in the flow chart	(2mks)
	(c) Describe three methods you would use in error detection during program testing	(6mks)
17.	(a) List three advantages and three disadvantages of fibre optic cable Advantages	(6mks)
	Auvantages	
	Disadvantages	
		

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(c)	Nam	ne two types of coa			(2m
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•	(ii) (Give an example of	f internet protocol		(1n
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		con		
(c)	(i) List and describe	e four areas of application of s	preadsheets	(4mks)
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		çe		
		¢ _{©.}		
••				
	(ii) Pagerto Explain data ran			
	(ii) [©] Explain data ran	ge legend and axis as used in s	spreadsheet charts	(3mks)
<u></u>	. \$ ^{&}			
(CS)	, 			
or ea	ach of access. Study the ta			
	MEMO 1	MEMO 2	MEMO 3	
	Warning Lateness	Inaccuracies Auditing	Careless talk Inefficient	
	Assembly	Fraud	Meeting	
Ass	suming that the secondary	was working from the diskette	draw the corresponding	tree struct
		C		(6mks
				`
(i) T	The secretary wanted to o	regte a folder to store a memo :	n Fraud folder State the	nath for the
) (i) T	•	reate a folder to store a memo i	n Fraud folder. State the	path for tha (2mks)

		i) Suggest how the secretary can ensure that the work in that diskette is not spoilt.	(1mk)
	(i	ii) The content of the file is not viewed by any other person apart from her.	(1mk)
		List any two devices under the control of the operating system.	(2mks)
	 (ii)	Explain how each one of these devices are controlled by the OS	
	 42.	Qa ^a	
20.	رو [©] (a) : 	List and describe four strategies for converting from an old system to a new system.	(4mks)
	 (b)	(i) Distinguish between private data and confidential data	(2mks)
		(ii) What can be done to stop illegal access to a computer laboratory by unauthor	
			(3mks)
	(c)	(i) List four areas that would be considered in the requirement specification.	(4mks)
		(ii) Name any two areas covered in feasibility report during system analysis and	design.
			(2mks)