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451/1 July 1			
COMPUTER STUDIES			
PAPER I (Theory)			
JULY/AUGUST 2014			
TIME 2½ HOURS.			

KAKAMEGA COUNTY JOINT EVALUATION TEST-2014

Kenya Certificate of Secondary Education (2014)

COMPUTER STUDIES

451/1

PAPER I

INSTRUCTION TO CANDIDATES

- Write your name and index number in the spaces provided above
- This paper consists of <u>Two</u> sections A and B
- Answer <u>ALL</u> questions in section A
- Answer question16 and any other THREE questions from section B
- All answers should be written in the spaces provided on the question paper

FOR EXAMINER'S USE ONLY

SECTION	QUSTIONS	CANDIDATE'S SCORE
A	1 –15	
В	16	
	17	
	18	
	19	
	20	
	TOTAL SCORE	

This paper consists of 12 printed pages. Candidates should check the question paper to ensure that all pages are printed as indicated and no questions are missing

SECTION A (40 MARKS) Answer ALL the questions in SECTION

	, g [*]
	₹¢
(b) Describe three advantages of using computers in banking(3mks)
4	
2	
2.	Identify two reasons why a computer needs to be connected to a stable power supply (2mks)
3.	Mention four things that are likely to cause strain- in the computer room(2mks)
4.	State any four components found on the computer motherboard (2mks)
5.	Give four human attributes used during biometric analysis(2mks)
6.	George connected new multimedia speakers to his computer and tried to play his favo music CD, but no sound came out. Suggest four problems that might have occurred (2



Answer Question 16 (Compulsory) and Any other THREE in this Section

16.	
(a)	Mention three characteristics of web scripting language (3mks)
	· · · · · · · · · · · · · · · · · · ·
	o do se
Lee (K)	List three things which are considered as improper use of language rule which may cause syntax errors (3mks)
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(c) Mumias sugar company pays casual employees based on the number of hours worked as follows

Less than 10 hours @ khs.100/= per hour

Up to 15 hours @ khs150/= per hour

More than 15 hours @khs200/=/per hour

(i) Write a pseudo code that will prompt the user to input the name, rate hours worked. The pseudo code should output the name, hours worked and the wage paid for five employees (4mks)

(ii) Draw a flowchart for the pseudo code (5mks)



18.

(a) List two protocols that operate at the application layer (1mk)

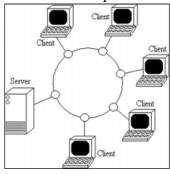
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(b) Describe three main features of single mode fibre optic cable (3mks)

(c) Describe three factors to consider when choosing transmission media (3mks)

(d) Explain two techniques used to control data flow between the nodesin an Ethernet topology (2mks)

(e) Use the diagram below to answer the questions that follow



(i) Identify the topology represented by the diagram above (1mk)

(ii) Give two advantages of the above topology (2mks)
(ii) Give two advantages of the above topology (2mks)
, teet
(iii)Explain how MSAU is used in (i) (1mk)
(iii)Explain how,MSAU is used in (i) (1mk)

(f) State two limitation of networking (2mks)
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isix www.freekczepastpapers.com 20. (a) (i) What is rebot (1mk) (ii) Mention four advantages of robot (2mks) (b) Describe three major components of expert system (3mks) (c) Describe the trends in computer technology base your argument on size, memory and speed (3mks) (d) What is flaming (1mk) (e) State four limitations of natural language processing (2mks)

KAKAMEGA COUNTY JOINT TEST-2014

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(f) Discuss the effects of ICT on employment (3mks)
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