Candidate's Examination Number .....

THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
FORM TWO SECONDARY EDUCATION EXAMINATION

036 INFORMATION AND COMPUTER STUDIES

Time: 2:30 Hours **Thursday, 26th November 2015 p.m.**

Instructions

1. This paper consists of sections A, B and C.
2. Answer **all** questions in sections A, B and C.
3. All answers must be written in black or blue ink.
4. Write your answers in the space provided.
5. Cellular phones and calculators are **not** allowed in the examination room.
6. Write your **Examination Number** at the top right corner of every page.

FOR EXAMINERS' USE ONLY		
QUESTION NUMBER	**SCORE**	**EXAMINERS' INITIALS**
1		
2		
3		
4		
5		
6		
TOTAL		

PM-RALG 2015

Candidate's Examination Number .....

SECTION A (40 Marks)

Answer **all** questions in this section.

1. For each of the following items (i) – (xx), choose the correct answer and write its letter in the box provided.

(i) A memory which is used to store programmed instructions and data permanently is called
A RAM
B ROM
C register
D buffers

(ii) Which one of the following commands is used to reboot a computer?
A Ctrl+ Shift + Del
B Ctrl + Alt + Tab
C Ctrl + Alt + Shift
D Ctrl + Alt + Del

(iii) Which one of the following is **not** a traditional ways of disseminating information?
A Whistle
B Drum
C Horns
D Newspaper

(iv) Operating System which do **not** provide Graphical User Interface (GUI) is called
A Window XP
B DOS
C Macintosh
D Window 98

(v) Development which marked the second generation computers is
A vacuum tubes
B transistors
C microprocessor
D artificial intelligence

(vi) The programs designed to perform specific tasks are called
A utility programs
B system software
C special programs
D application software

(vii) Which of the following software will be loaded first to the memory when the computer is switched on?

A Word processor
B Ms excel
C Window XP
D Ant-virus software

(viii) The computers which are mostly used in large businesses as network servers are known as

A supercomputer
B minicomputer
C mainframe computers
D microcomputer

(ix) Which one of the following is an example of an absolute cell reference in a spreadsheet?

A 2$B
B $A1
C B1
D AB

(x) Cells A4, A7, C4, C5 and C7 contain values 4, 4, 9, 2 and 3 respectively. Then in cell D a formula, =C5*(A4+A7)-(C4/C7) is entered. What will be the value for cell D?

A 10
B 12
C 11
D 13

(xi) Which one of the following devices must be used to connect two computers for data sharing?

A USB
B NIC
C modem
D gateways

(xii) Which one of the following is **not** a word processor?

A Word star
B Word wrap
C Word perfect
D Word pro

(xiii) Peripheral devices are connected to the system unit using special cables known as

A interface cables
B ports cables
C USB cables
D device cables

Candidate's Examination Number .....

(xiv) Computers that process both analog and digital data are called
- A hybrid computers
- B digital computers
- C general computers
- D super computers

(xv) Which one of the following is an example of operating system?
- A Microsoft window
- B Microsoft access
- C Microsoft word
- D Microsoft PowerPoint

(xvi) The following are functions of the UPS **except**
- A to prevent power surge
- B to provide main power source
- C to provide stable power
- D to supply power during power cut

(xvii) The work area made up of rows and column where data is entered is called
- A cells
- B worksheet
- C workbook
- D spreadsheets

(xviii) The editing tool that helps the user to find words or phrases with similar meaning is known as
- A autocorrect
- B thesaurus
- C find and replace
- D autotext

(xix) The following are examples of browser **except**
- A google chrome
- B mozilla Firefox
- C internet explore
- D yahoo

(xx) A website that contains personal information which can easily be updated is called
- A web portals
- B web page
- C personal web
- D blog

Candidate's Examination Number .....

2. Match the following functions of network devices in **List A** to their corresponding communication devices in **List B** by writing the letter of the correct option beside the item number in the table provided.

List A	List B
(i) A device which create a physical link between the computer and the transmission media.	A Wireless antennae
(ii) A device which converts a signal from digital to analog form for the purpose of transmission.	B Switch
(iii) A device that connect networks that have a common architecture.	C Gateway
(iv) A device that selectively determines the appropriate network segment for which a message is meant for delivery through address filtering.	D Router
(v) A device that receives a signal from one segment of network, cleans it to remove any distortion before sending that signal to another computer.	E Repeater
(vi) A device which interconnects different networks and directs the transfer of data packets from source to destination.	F Bridge
(vii) A device which can be configured to provide access to wide area networks or Internet.	G Hub
(viii) A device which forwards a packet directly to the address node without broadcasting.	H Modem
(ix) A device which detect signals in the surrounding.	I Access point
(x) A device which is most common in wireless network.	J Network Interface Card
	K Coaxial cable
	L Data bus
	M Universal serial bus

ANSWERS

List A	(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)
List B										

3. For each of the following statements, write **TRUE** if the statement is correct or **FALSE** if the statement is not correct.

(i) Laser printers and ink jet printers are examples of non-impact printers. .....

(ii) Touch screen and monitors are output devices. .....

(iii) Most word processors have ability to create and import tables, text and graphics from other programs. .....

(iv) A worm does not attach itself to program but self-replicates hence jam computer storage and memory. .....

(v) Primary and secondary source are not main classes of source of information.
.....

(vi) The recommended fire extinguishers are liquid type. .....

(vii) Antiglare screens can avoid eye strain caused by over bright cathode ray tube monitors.
.....

(viii) Worksheet, database and graphs are the main components of spreadsheets.
.....

(ix) Portrait and landscape are types of page layout. .....

(x) The majority of menu shortcut keys are activated by using control key. .....

SECTION B (40 Marks)

Answer **all** questions in this section.

4. (a) Complete each of the following sentences using one item from the given list.

Menu bar, tool bar, Ctrl+F4, Ctrl+S, Ctrl+ X, status bar, Ctrl + V

(i) ..... act as communication link between the user and the program.

(ii) ..... help a user to close the current document.

(iii) ..... help a user to save changes made to the document.

(iv) ..... help a user to paste the document.

(b) (i) Define the term electronic word processor.

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(ii) Give four advantages of electronic word processor over manual typewriters.

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5. (a) The Central Processing Unit (CPU) is the most important component of the computer.

(i) Mention three functional elements of CPU.

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(ii) Explain the function of each element mentioned in (i) above.

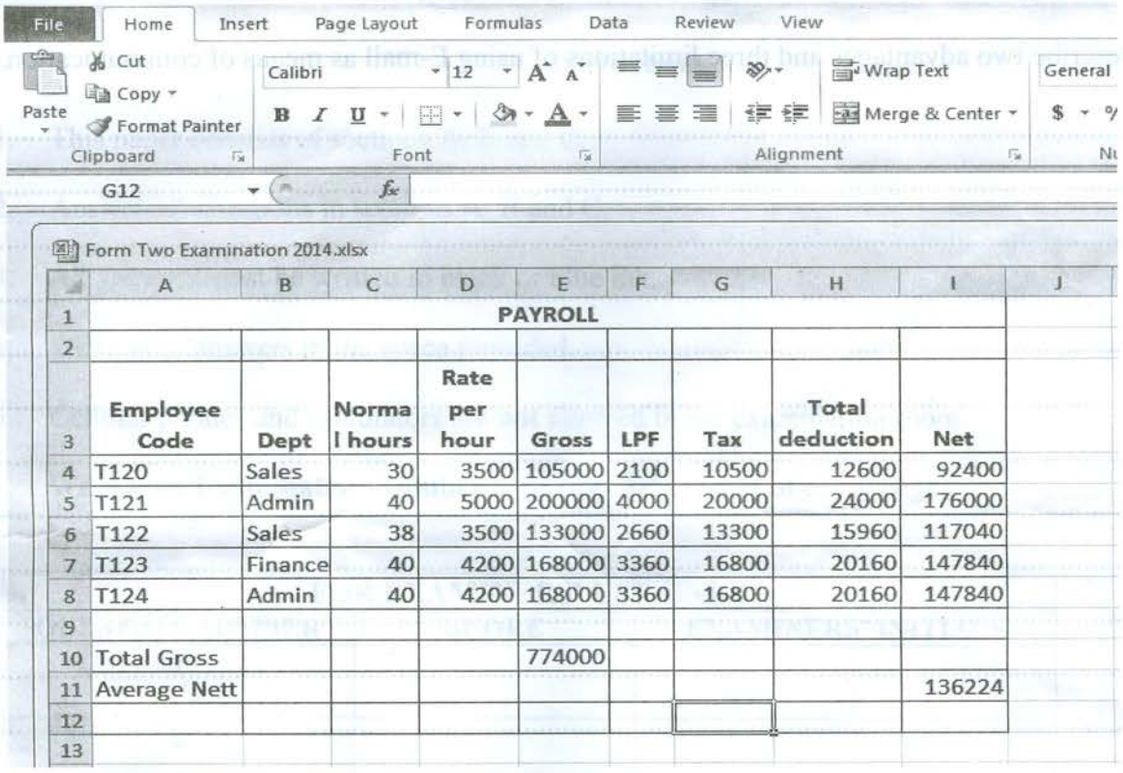
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(b) Read the following snapshot and answer the question that follow:



	A	B	C	D	E	F	G	H	I	J
1	PAYROLL									
2										
3	Employee Code	Dept	Normal hours	Rate per hour	Gross	LPF	Tax	Total deduction	Net	
4	T120	Sales	30	3500	105000	2100	10500	12600	92400	
5	T121	Admin	40	5000	200000	4000	20000	24000	176000	
6	T122	Sales	38	3500	133000	2660	13300	15960	117040	
7	T123	Finance	40	4200	168000	3360	16800	20160	147840	
8	T124	Admin	40	4200	168000	3360	16800	20160	147840	
9										
10	Total Gross				774000					
11	Average Nett								136224	
12										
13										

(i) Give the name of the program used to create the snapshot above.

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(ii) Write the font face and size used to type the details in given snapshot.

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(iii) Give the reference name of the active cell.

.....

(iv) What format was done for the cells in row 3?

.....

(v) The Net came from subtracting **Total deduction** from the **Gross**. Write down the formula required to calculate the net.

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(vi) Write down the function required to calculate the average for all the net.

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(vii) Write the function required to calculate the total gross.

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(viii) Write the function required to calculate the highest net pay.

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SECTION C (20 Marks)

6. Describe two advantages and three limitations of using E-mail as means of communication.

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