S .3 BEGINNING OF TERM 3 EXAMINATIONS 2014

COMPUTER STUDIES

PAPER 1(THEORY)

840/1

TIME :2 hours 30 minutes

Instructions:

♦ The paper consists of three sections **A,** and **B and C.**

♦ **Section A contains 20 compulsory objectives-type questions.- write the correct answer in the box against the question.**

♦ **Section B- Answers must be written in the spaces provided.**

♦ **Choose only one question for Section C on separate answer sheets provided.**

FOR EXAMINERS USE ONLY

MCQ	Q21	Q22	Q23	Q23	Q24	Q25	Q26	Q27	Q28	Q29	TOTAL

SECTION A: 20 MARKS

1. Determine the number of bits in 32 bytes
   A. 256   C. 32
   B. 128   D. 64

2. The kind of printer that is used to print large drawings like maps and billboards is

   A. Thermal   B. Laser jet   C. Dot matrix   D. Plotter

3. In a graphical user interface……………….. are used to represent commands

   A. Icons
   B. Symbols
   C. Cursors
   D. Graphics

4. The scan disk process is done by………………

A. Application software   B.   Programming languages

C. Utility program   D.   Operation system

5. Which of the following is not a computer classification:
   A. Classification by User capacity and size
   B. Classification by management
   C. Classification by process
   D. Classification by processor power

6. Which of the following operations is a comparison of data in processor to see if one value is greater than, less than or equal to another value.

   A. Arithmetic   B. Control   C. Logical   D. Storage

7. Which of the following is not a programming tool?

   A. Debugger   B.   Note Pad   C. An Interpreter   D.   A computer

8. Which of the following is an extension for a word processor?

   A. **.** ppt   B.   **.doc**   C. **.** xls   D.   **.jpeg**

9. Babbage's Analytical Engine was designed in the year

   A.   1614   B.   1834   C.   1880   D.   1945

10. EDSAC, UNIVAC and ENIAC were major inventions of the ……………generation

    A. 1st   B.   2nd   C. 3rd   D.   4th

11. The computer that controls other computers when connected to the Internet is

    A. System Unit   B. Workstation   C. Network card   D. Server

12. Which of these is not a characteristic of spreadsheets.

    A. Worksheets cannot be renamed
    B. Text, numbers of formula can be entered
    C. Calculations can be done on other cells
    D. Variety of operations can be out on rows and columns

13. The…………….. was an ancient computer, developed to ease work in the textile industry.
    A. hollerith tabulator
    B. Leibniz calculator
    C. babbage analytical Engine
    D. jacquards loom

14. ………….is an address that does not change when a formula is copied to

Another location in a spreadsheet.
- A. Absolute address
- B. Relative address
- C. Mixed address
- D. Formula address

15. Mail merge facility allows you to;………………………
- A. personalize standardized letters.
- B. reduce the cost of postage.
- C. e- mail a group of people in one go.
- D. merge mails with document files.
- E.

16. The first generation used Vacuum tubes in their processors while second used…

- A. Integrated Circuits
- B. Punched Cards
- C. Transistors
- D. Very large scale Integrated Circuits

17. The raw material to be processed by a computer is called
   A. Program   B. Information   C. Software   D.   Data

18. Which of the following is portable?
- A. Desktop computers B. Mini computer C. Tower Computer D. Laptop

19. What is the smallest and largest font siz available in font size tool on formatting toolbar?
- A. 8 and 72
- B. 8 and 64
- C. 12 and 72
- D. None of the above.

20. A computer system consists of the following , except…..
   A. Software   B. Hardware C.   User   D. Information

SECTION B: (60 MARK)

21. a)(i) 26. a) Define a printer as an output device?   (02 marks)

………………………………………………………………………………………………

………………………………………………………………………………………………

b) Different between Impact and Non impact printers.   (04 marks)

………………………………………………………………………………………………

………………………………………………………………………………………………

………………………………………………………………………………………………

3

....

c)   Mention any four examples of printers.   (04 marks)

....

....

....

....

22. a) Distinguish between custom/tailor made software and off- the shelf software (02
    marks)

....

....

....

b)   i) Define utility software   (02 mark)

....

....

(ii)   Mention 3 examples of utility software giving a function of each.(6 marks)

....

....

....

....

....

....

23. a) i) Define the term spreadsheet software.   (01 mark)

....

....

(ii)   List down any two examples of spreadsheet application.   (02 marks)

....

....

b)   The worksheet blow shows company bills in dollars paid for the month of March ,April and May.

	A	B	C	D	E	F
1		March	April	May	Total($)	Average($)
2	Rent	72	62	52	186	62
3	Electricity	14	24	34	72	24
4	Telephone	76	86	96	258	85.3
5	Stationery	38	48	28	114	38
6	Water	28	21	26	75	25
7	Total	228	241	236	705	

(i)   Write down the formulae in Ms. Excel which were used to obtain Totals and Averages for "Rent".

TOTAL:…………………………………………………………………(01 mark)

AVERAGE:…………………………………………………………………. (01 mark)

(ii)   If it was an error to enter the value in cell D4, state the cells in which the value would change automatically when the correct amount is put.(02 marks)

……………………………………………………………………………………

……………………………………………………………………………………

(iii) List the values of cell range C3:D4 in the above table.   (02 marks)

……………………………………………………………………………………

……………………………………………………………………………………

(iv)   State the formula for calculating the total bill for the month of March (01 marks)

……………………………………………………………………………………

……………………………………………………………………………………

24. a) Define a computer system?   (02 marks)

……………………………………………………………………………………

……………………………………………………………………………………

b)Distinguish between input and output as used in computer processing cycle.(2 mks)

……………………………………………………………………………………

……………………………………………………………………………………

....

b)   Mention and explain the **three** components that make up a working
       computer system.   (06 marks)

....

....

....

....

....

....

25. a) Distinguish between ;   (02 marks each)
i)   Digital and Analog computer.

....

....

(ii) Softcopy and hardcopy

....

....

(iii)   Micro computer and mainframe computer

....

....

b) State four advantages of using computers in our daily life.   (04 marks)

....

....

....

....

26. a) Define the term data communication   (2 marks)

…………………………………………………………………………………………………

…………………………………………………………………………………………………

b) Explain four components needed for effective data communication to take place (08 marks)

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

…………………………………………………………………………………………………

SECTION C (20 MARKS)   Attempt only **one** question

27. "The operating system is the main software on any computer without which the computer is useless" Explain the truth-ness of the statement (20 marks).

28. Explain Five characteristics of computers .   (20 marks)

29.)Describe how computers are used in the following fields.(20 marks)
   a) Business
   b) Health
   c) Education
   d) Banking and finance
   e) Entertainment

…..END….