

SECTION A (40 Marks)

Answer ALL the questions in this section in the spaces provided after each question.

1. State four advantages of using computers. (4 marks)

2. Distinguish between hardware and software as used in computers. (4 marks)

3. Explain two types of buses used in central processing unit. (4 marks)

4. Explain each of the following mouse activities:

- (a) double clicking: (2 marks)

(b) right clicking.

(2 marks)

5. Peter works at a garage. In one week, he earned Sh. 39,000 for working 47 hours of which 7 hours were overtime. The next week, he earned Sh. 41,600 for working 50 hours of which 8 hours were overtime. Calculate Peter's hourly pay rate. (... marks)

6. A bakery's daily sales of bread (in Ksh '00,000) is as shown in Figure 1. Determine the average sale for the week. (4 marks)

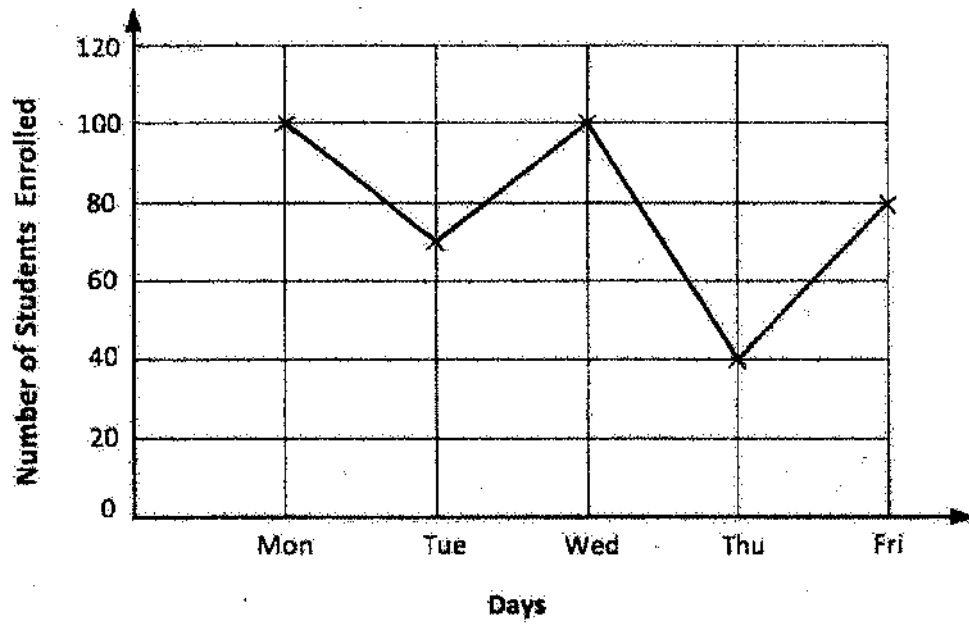


Fig. 1

7. State the SI units for the following measurements:

(a) Length;

(b) mass;

(c) volume;

(d) energy;

(4 marks)

8. (a) Identify **four** sources of business ideas for entrepreneurs.

(2 marks)

(b) Explain the meaning of the term enterprise as used in entrepreneurship.

(2 marks)

9. List **eight** personality characteristics of a successful entrepreneur.

(4 marks)

SECTION B

11. (a) Explain the function of the following keys on a computer keyboard.
- (i) control; (2 marks)
 - (ii) backspace; (2 marks)
 - (iii) insert. (2 marks)
- (b) (i) State **four** examples of scanning devices as used in computers. (2 marks)
- (ii) State **two** advantages of using scanners as a form of input in computers. (2 marks)
- (iii) Many individuals are opting to back their data on optical discs instead of floppy discs.
- I. State **three** reasons for this trend. (3 marks)
 - II. State **four** examples of optical discs. (2 marks)

12. (a) Figure 2 shows a pie chart showing how Anne spends each day at home over her vacation. She takes 2 hours 30 minutes watching TV.

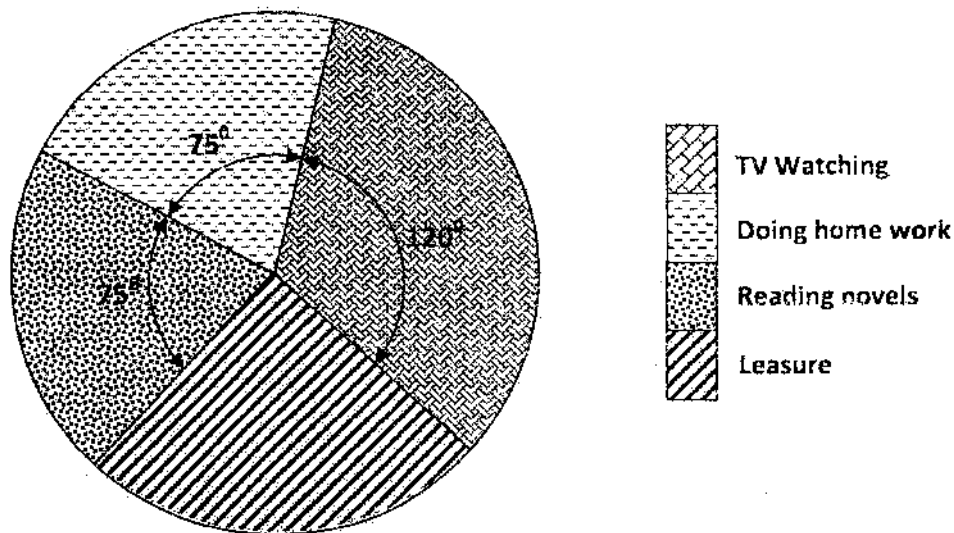


Fig. 2

- (i) Determine the duration she takes for leisure.
- (ii) If the time taken in sleeping and playing computer games is not represented in the chart, determine the total sleeping and computer playing time. (3 marks)

(b) A study carried out by a TV vendor from a sample population indicated that 25% of the population planned to buy a flat screen TV. For those who planned to purchase, 40% of them went ahead to buy and for who never planned, 10% went ahead to purchase.

(i) Represent the information on a tree diagram. (3 marks)

(ii) Hence determine the probability that a person sampled from the population:

I. bought a TV; (3 marks)

II. did not buy a TV. (2 marks)

13. (a) Alice wishes to start a business venture and is in the process of preparing a business plan. State **five** components that may be included in the executive summary of the business plan. (5 marks)

(b) Explain **five** ways in which computer applications may be used in an enterprise. (10 marks)

14. (a) State **four** file management activities that can be performed with the aid of an operating system. (4 marks)

(b) Figure 3 shows an extract of a spreadsheet used by Nyamnyam Hotel to process salaries of hotel employees to award salary increments.

	A	B	C	D	E	F
1	SALARY ADJUSTMENT 2008/2009 FY1					
2						
3	Employee	Grade	Current Salary	Increment	New Salary	
4	Dorcas	A	123,400.00			
5	Susan	B	60,000.00			
6	Dennis	B	98,000.00			
7	Henry	A	135,000.00			
8	Juma	A	130,000.00			
9	Peter	B	35,000.00			
10	Periz	A	112,000.00			
11	Total					
12						
13	Grade	% Increase				
14	A	14%				
15	B	15%				

Fig. 3

- (i) State a formula that would be used in cell:
- I. C11 to compute total of current salary; (2 marks)
 - II. E4 to compute the sum of current salary and increment for Dorcas. (2 marks)
- (ii) Salary increments are awarded based on grades with those in grade A awarded 14% and those in B awarded 15%. Write a formula use to display the salary increment for Dorcas. (4 marks)
- (c) Outline **three** types of network design based on geographical areas. (3 marks)

15. (a) Table 1 below shows the scores out of 100 of 50 students in a test.

34	46	40	37	40	35	40	42	34	43
40	45	39	38	46	45	44	34	50	45
35	39	38	35	48	37	42	50	39	46
41	44	41	51	42	47	49	36	47	48
49	50	38	44	44	43	51	34	41	37

Table 1

Group the data into seven classes starting with 32-34, 35-37... (3 marks)

- (b) For the following list of numbers:
13 18 29 15 19 32 9

Calculate the:

- (i) variance; (4 marks)
- (ii) standard deviation (2 marks)

- (c) Figure 4 shows a bar chart representing profits and revenue of a bakery for each quarter of a year. Use it to answer the questions that follow:

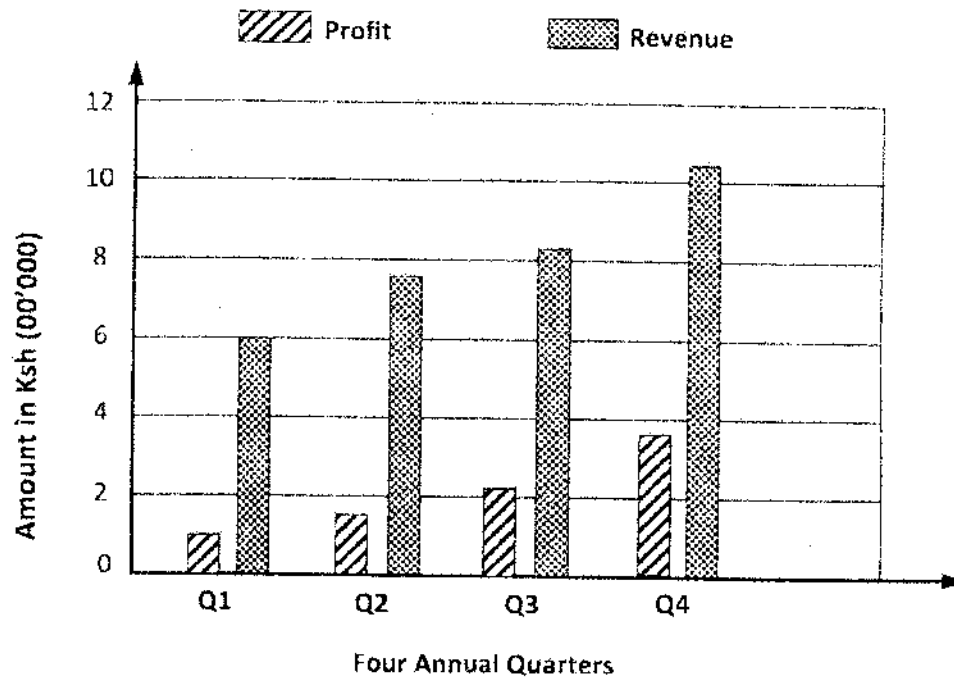


Fig. 4

Determine the total of:

- (i) revenue; (3 marks)
- (ii) profit. (3 marks)
16. (a) Outline **five** benefits that an organization may derive from participating in trade exhibitions. (5 marks)
- (b) Responsible companies generate profits and are socially responsible. Explain **five** ways through which an enterprise may demonstrate this social responsibility. (10 marks)