

SECTION A (40 marks)

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

1. State **four** classifications of computers based on computing power. (4 marks)

2. Outline **four** methods by which data can be captured directly into a computer. (4 marks)

3. Explain how each of the following software can be used in a college:

- (a) database; (2 marks)

- (b) spread sheet. (2 marks)

4. Outline **four** tasks that can be performed on a disk using an operating system. (4 marks)

5. A rectangular laboratory has a length equal to one and a half its width and a perimeter of 40 metres. Find its length and width. (4 marks)

6. One way to estimate the ideal minimum weight of a woman in pounds is to multiply her height in inches by 4 and subtracting 130.

(a) Express weight as a function of height. (2 marks)

(b) Find the ideal minimum weight of a woman whose height is 62 inches. (2 marks)

7. Evaluate each of the following:

(a) $4P^4$; (2 marks)

(b) $4C^4$. (2 marks)

8. Distinguish between the terms 'entrepreneur' and 'entrepreneurship'. (4 marks)

9. (a) Identify **four** sources of business ideas for entrepreneurs. (2 marks)

(b) State **two** advantages of salaried employment. (2 marks)

10. (a) List **four** sections of the production plan in a formal business plan. (2 marks)

(b) Explain the meaning of 'enterprise social responsibility'. (2 marks)

SECTION B (60 marks)

Answer questions 11, 12, 13 and any other ONE question from this section in the spaces provided after question 16.

11. (a) Explain each of the following terms as used in word processing:
- (i) word wrap; (2 marks)
 - (ii) footer; (2 marks)
 - (iii) orientation. (2 marks)
- (b) In a spreadsheet program, a formula = \$B4 - A\$4 is in the cell D4. What does the formula become if it is copied to cell:
- (i) D5; (2 marks)
 - (ii) E6. (2 marks)
- (c) Distinguish between primary and secondary memory, giving an example in each case. (5 marks)
12. (a) (i) A wedding cake is made up of two ingredients P and Q in the ratio 3.25:1 by mass. How much of P has to be added to 4.4 kg of Q to make the cake? (3 marks)
- (ii) A team of five people can deliver leaflets to every house in four hours. How long will it take a team of three people? (3 marks)
- (b) (i) State **four** statistical ways of representing data graphically. (4 marks)
- (ii) The following is a list of profits in ksh generated by food vendor in a town.
- 2790 3470 5440 1892 4760 3968
- Determine the:
- (I) mean; (2 marks)
 - (II) median value. (3 marks)
13. (a) State **four** factors an entrepreneur may put into consideration when starting a business. (4 marks)
- (b) Explain each of the following types of entrepreneurs:
- (i) opportunistic entrepreneur; (2 marks)
 - (ii) social entrepreneur; (2 marks)
 - (iii) acquirer. (2 marks)

- (c) Outline **five** ways in which entrepreneurs contribute to economic development. (5 marks)
14. (a) With the aid of an example in each case, distinguish between impact and non impact printers. (5 marks)
- (b) Explain the function of the following keys on a computer keyboard:
- (i) function; (2 marks)
- (ii) arrow; (2 marks)
- (iii) enter. (2 marks)
- (c) Explain the following terms as used in databases:
- (i) primary key; (2 marks)
- (ii) query. (2 marks)
15. (a) A linear graph is represented by the equation $3x + 4y = 12$. Determine the:
- (i) slope; (2 marks)
- (ii) Y - intercept. (2 marks)
- (b) **Figure 1** shows a floor square tile of side 10 cm with 4 identical quarter circles shaded.

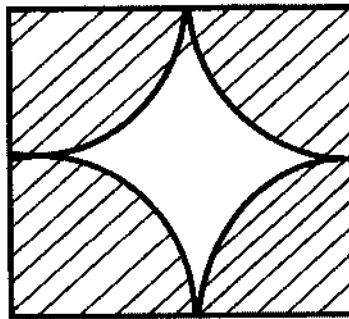


Figure 1

Calculate the area of the unshaded region. (4 marks)

- (c) (i) A tourist arrived in the country with US \$ 2000 which he exchanged into Kenya shillings. He spent ksh 75000 on hotel accommodation and ksh 40000 on travel and other expenses. He changed the remaining money into sterling pounds. The exchange rates in banks are shown in **table 1**.

	Currency	
	Dollar (\$)	Pounds (£)
Buying	78.45	120.27
Selling	78.95	121.04

Table 1

How much sterling pounds did he remain with? (4 marks)

- (ii) Mary is a sales executive earning a salary of ksh 20,000 and a sales commission of 8% for sales in excess of ksh 100,000. In one month, her total sales was ksh 450,000. Determine her gross earning for the month. (3 marks)

16. (a) State **five** barriers to creativity and innovation in businesses. (5 marks)
- (b) State **five** challenges faced by Kenyan women entrepreneurs. (5 marks)
- (c) Outline **five** roles of communications in an enterprise. (5 marks)
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