

WEDNESDAY: 3 August 2022. Afternoon paper.

Time Allowed: 3 hours.

Answer ALL questions. Marks allocated to each question are shown at the end of the question. Do NOT write anything on this paper.

SECTION A

QUESTION ONE

- (a) Identify FOUR areas in supply chain management where the knowledge of business statistics is applicable. (4 marks)
- (b) Highlight SIX source documents required in the preparation of financial statements. (6 marks)
- (Total: 10 marks)**

QUESTION TWO

- (a) State FIVE uses of accounting information. (5 marks)
- (b) Describe FIVE features of primary data. (5 marks)
- (Total: 10 marks)**

QUESTION THREE

- (a) With examples, distinguish between “revenue expenditure” and “capital expenditure” (6 marks)
- (b) Using factor method, solve the following quadratic equation.
 $x^2 - 5x + 4 = 0$ (4 marks)
- (Total: 10 marks)**

QUESTION FOUR

- (a) Given that $A = \begin{pmatrix} 2 & 3 \\ 3 & 5 \end{pmatrix}$ and $C = \begin{pmatrix} 4 & 7 \\ -1 & 3 \end{pmatrix}$
Find C such that $C = A.B$ (5 marks)
- (b) Use elimination method to solve the following simultaneous equation:
 $2x + y = 8$
 $3x - 2y = -22$ (5 marks)
- (Total: 10 marks)**

SECTION B

QUESTION FIVE

The table below is an extract of the age distribution of the people admitted in an ASK show and exhibition:

Age (years)	No of people
15 – 19	21
20 – 24	35
25 – 29	38
30 – 34	49
35 – 39	31
40 – 44	<u>19</u>
Total	<u>193</u>



Required:

Compute:

- (a) The mean age of the people. (5 marks)
- (b) The median. (4 marks)
- (c) Interquartile range. (5 marks)
- (d) Standard deviation. (6 marks)

(Total: 20 marks)

QUESTION SIX

The following trial balance was extracted from ABC Ltd. for the period ended 31 December 2021:

	Sh.	Sh.
Ordinary shares		1,500,000
8% preference shares		450,000
Plant machinery	1,200,000	
Provision for depreciation		570,000
Premises	1,500,000	
Profit and loss account 01/01/2022		168,000
Profit and loss Account 31/12/2021		270,780
Electricity	8,400	
Inventories	115,800	
Debtors	69,000	
Creditors	26,820	
Cash at bank	105,240	
Insurance	3,960	
	<u>2,994,000</u>	<u>2,997,000</u>

Additional information:

- 1. The directors have recommended an ordinary dividend of 12%.
- 2. Transfer Sh.40,000 to general reserves.
- 3. The company also provides for payment for 8% preference share dividends.

Required:

- (a) Profit and loss appropriation account for the year ended 31 December 2021. (7 marks)
- (b) Statement of financial position as at 31 December 2021. (13 marks)

(Total: 20 marks)

QUESTION SEVEN

- (a) Explain FIVE reasons small and medium enterprises (SMEs) are slow in adopting information systems in business statistical analysis. (10 marks)
- (b) Using FIVE points, distinguish between partnership and limited liability companies. (10 marks)

(Total: 20 marks)

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