



**ASSOCIATION OF ACCOUNTING TECHNICIANS
OF SRI LANKA**

CURRICULUM 2020

PILOT PAPER

Level III

**302 - MANAGEMENT ACCOUNTING
& FINANCE (MAF)**

A publication of the Education and Training Division

Association of Accounting Technicians of Sri Lanka

302 - Management Accounting & Finance (MAF)

Instructions to Candidates (Please Read Carefully)

Time Allowed:

Reading	:	15 Minutes
Writing	:	03 Hours

Structure of Question Paper:

- This paper consists of three Sections; Section A, Section B and Section C.
- All the questions of Section A, Section B and Section C should be answered.

Marks:

- Allocation of marks for each section:

Section	Marks
Section A	20
Section B	30
Section C	50
Total	100

- Marks for each question are shown with the question.

Answers:

- All answers should be written in the booklet provided, answers written on the question paper will not be considered for marking.
- Begin your answer of each question on a new page.
- All workings should be clearly shown.
- Do not write on the Margins.

Answer Booklets:

- Instructions are shown on the front cover of each answer booklet.

Calculators:

- Candidates may use any calculator except those with the facility for symbolic algebra and differentiation. No programmable calculators are allowed.

Attached:

- Action verb checklist – Each question will begin with an action verb (excluding OTQ's).
- Students should answer the questions based on the definition of the verb given in the checklist.

Four (04) Compulsory Questions**SECTION A**

(Total 20 marks)

Question 01

Budgetary control refers to how well managers utilize budgets to monitor and control costs and operations in a given period.

You are required to:

- (a) State three (03) advantages of rolling budget. (03 Marks)
- (b) List four (04) objectives of a Budgetary control system. (02 Marks)
- (Total 05 Marks)

Question 02

Variable cost and selling price of products X and Y of **ABC Ltd** are as follow:

	X (Per unit) (Rs.)	Y (Per unit) (Rs.)
Selling price	100	80
Direct Material (Rs.10 per kg)	20	15
Direct Labour	15	20
Variable overhead	20	18

The company decided to produce product X and Y product, 350 units and 300 units respectively for the next month. However raw material quantity is limited to 1,000 kg per month.

You are required to:

Calculate the optimum product mix for the month. (05 Marks)

Question 03

The following details are given for **Alloy Ltd**, a trading company for the year ended 31st March 2019:

Sales for the year	-	Rs.8,000,000/-
Gross Profit	-	25% on cost of sales
Average finished goods inventory for the year	-	Rs.560,000
Trade receivables turnover ratio	-	7.5 times
Trade payables settlement period	-	40 days

You are required to:

Calculate the length of working capital cycle for the year ended 31st March 2019. (05 Marks)

Question 04

Standard costing is a technique of costing by which costs of products or services are predetermined and are compared with actual costs incurred.

You are required to:

- (a) **State** three (03) advantages of standard costing. (03 Marks)
- (b) **List** two (02) limitations of standard costing. (02 Marks)
- (Total 05 Marks)**

End of Section A

Three (03) Compulsory Questions

(Total 30 marks)

SECTION B

Question 05

A Company produces two Products **EXE** and **WYE** and forecast information is as follow.

	EXE	WYE
	Rs. (per unit)	Rs. (per unit)
Selling price	100	120
Direct Materials	50	68
Direct Labour	25	30
Variable Overheads	5	6

For the year 2020 the company expects to produce and sell 200,000 units of EXE where they expect to produce and sell product WYE maintaining the normal sales ratio of 4:1 between EXE & WYE respectively. The annual total fixed cost has been estimated at Rs.3,000,000/-.

You are required to calculate the following:

- (a) Combined Profit Volume Ratio. (04 Marks)
- (b) Break-Even Point of EXE in units and in Values. (03 Marks)
- (c) Margin of safety for EXE & WYE in units. (03 Marks)
- (Total 10 Marks)**

Question 06

Capital structure of **Beeta PLC**, a company that is listed on the Colombo Stock Exchange, is given below:

- (1) **Beeta PLC** has 120 million ordinary shares currently trading at Rs.60 per share. The company paid a dividend of Rs.7.50 per ordinary share few days ago. The company expects the dividend growth rate to be 4% from the next financial year.
- (2) There are 40 million irredeemable preference shares in issue which is currently trading at Rs.25/- per share. These preference shares are paid dividend of Rs.2.75 per share.
- (3) The company has 10 million irredeemable debentures in issue at Rs.100 per debenture. The interest is paid at 10.75% per annum. The current trading price is Rs.99.40 per debenture.
- (4) The company's income tax rate is 14%.

You are required to calculate the following:

- (a) Cost of ordinary shares. (02 Marks)
- (b) Cost of irredeemable preference shares. (02 Marks)
- (c) Cost of irredeemable debenture. (02 Marks)
- (d) Weighted average cost of capital. (04 Marks)

(Total 10 Marks)

Question 07

Budgeted and actual results of **Alba limited** for the month of December 2019 are given below. The company did not maintain any opening inventory or closing inventory:

	Budgeted (Rs.)	Actual (Rs.)
Sales	2,400,000	1,800,000
Direct Material	800,000	650,000
Direct labour	500,000	320,000
Variable overhead	300,000	230,000
Total Contribution	800,000	600,000
Fixed cost	500,000	400,000
Profit for the month	300,000	200,000

Budgeted and actual numbers of units produced and sold during the month were 100,000 units and 60,000 units respectively.

You are required to:

- (a) **Prepare** the flexed budget (Budgetary control statement) based on the above. (07 Marks)
- (b) **State** three (03) solutions for cash deficits of the business organization. (03 Marks)

(Total 10 Marks)

End of Section B

Two (02) Compulsory Questions**SECTION C**

(Total 50 Marks)

Question 08

(A) (a) Gray Ltd. manufactures a product through several consecutive processes. The following details are available for the month of December 2019:

Material introduced	1,000 kg at Rs.150/- per kg.
Direct labour	Rs.79,475/-
Production overhead	Rs.49,755/-
Output transferred to process II	830 kg
Normal loss	5% of inputs and scrap items can be sold for Rs.7.50 per kg

There are no opening work in progress. Closing work in progress at the end of month was 50 kg and degree of completion was as follow:

Material	100%
Direct labour	70%
Production overhead	60%

You are required to:

Prepare the statement of equivalent units, cost & valuation and the process account for the month of December 2019 under the Weightage Average. **(13 Marks)**

(b) Faced with rapidly changing global business environment, many companies are changing their costing works with digital technology.

You are required to:

List two (02) advantages of digital costing. **(02 Marks)**

(B) A company manufactures a product using two types of materials M1 and M2 . Standard cost details per unit are given below:

	Rs.
Direct materials M1- 8 Kg @ Rs.20/- per Kg	160
Direct Materials M2- 12 Kg @ Rs.10/- per Kg	120
Direct Labour - 4 Hours @ Rs.60/- per Hour	240

Actual information for the month of December 2019 is as follows:

	Rs.
Direct material (M1: 7,500 Kg)	140,400
Direct material (M2: 12,000 Kg)	130,000
Direct Labour (4,200 hours)	273,000

Number of units produced and sold was 1,000 units for the month of December 2019.

You are required to compute the following variances:

- (a) Direct material price variance.
- (b) Direct material mix variance.
- (c) Direct material yield variance.
- (d) Direct labour rate variance.

(10 Marks)

(Total 25 Marks)

Question 09

- (A) Delta Ltd** is considering to launch a new product through a new machinery. It has already spent Rs.250,000/- on a technical feasibility study. New machinery cost is Rs.4,000,000/- and useful life of the machinery is 5 years. Additional working capital requirement is Rs.400,000/- and it will be recovered at the end of 5th year.

The following information is relating to a new product:

- (1) Sales and variable cost for next 5 years from this new product are as follow:

Year	Sales (Rs.)	Variable cost (Rs.)
1	2,200,000	600,000
2	2,400,000	700,000
3	2,800,000	1,000,000
4	3,000,000	1,100,000
5	3,500,000	1,250,000

- (2) Fixed maintenance cost including depreciation on new machinery is Rs.1,400,000/- per annum.
- (3) Depreciation is charged on the straight line method at cost. The company claims capital allowance at 25% per annum on machinery for tax purpose. It is assumed that tax is paid in the same year.
- (4) Corporate tax rate is 14% and cost of capital is 15%.

You are required to:

Assess the viability of the above investment using Net present Value (NPV) computation.

(15 Marks)

(B) Furni Ltd. produces and sells furniture. The Company has received an order from a client to manufacture 75 customised tables at a price of Rs. 22,500 per table. These tables are expected to require the following resources and costs:

- **Wood** – 8 square metres of wood is required per table. This required quantity of wood for this order is not available in stock. The current market price is Rs.365/- per square meter.
- **Polish** – each table requires 0.5 litres of a special type of polish. The company has 40 litres of this polish that was purchased at Rs.1,400/- per litre, sometime ago in stock. This polish is not being used for the other orders and would be disposed of at Rs.700/- per litre if not used for this order.
- **Other Material** – the other material cost per table is expected to be Rs.4,500/- and needs to be purchased from the market.
- **Labour** – 18 hours of labour time is required per table and labour is normally paid at the rate of Rs.600/- per hour. At present all skilled labour is occupied with the other orders and the company would need to pay overtime at 1.5 times of the normal pay to meet the labour requirement for this order.
- **Variable Overhead** - variable overhead cost per table is Rs.2,000/-.

You are required to:

Assess whether **Furni Ltd.** should accept this order or not.

(Support your answer with calculations.)

(05 Marks)

(C) A company is considering whether to add new product into its products range. If it goes for the new product, probability of success is 60% and probability of failure is 40%. The initial cost of the new production facility will be Rs.400,000/-. If the product is success estimated profits and the related probabilities of the product under the possible market conditions are given below:

Market conditions	Probability	Profit (Rs.)
Favourable	0.2	500,000
Moderate	0.5	600,000
Adverse	0.3	300,000

If the proposal is failure, company can recover only Rs.100,000/- out of its initial cost of the production facility.

You are required to:

- Draw** a decision tree
- Assess** the course of action the company has to take.

(05 Marks)

(Total 25 Marks)

End of Section C

Action Verbs Check List

Analysis (4)	Draws Connections Among Ideas and Solve Problems	Analyze	Examine in details to find the solution or outcome
		Differentiate	Constitute a difference that distinguishes something
		Discuss	Examine in detail by arguments
		Compare	Examine to discover similarities
		Contrast	Examine to show differences
		Outline	Make a summary of significant features
		Communicate	Share or exchange information
Application (3)	Uses and Adapts Knowledge in New Situations	Apply	Put to practical use
		Calculate	Ascertain or reckon with mathematical computation
		Demonstrate	Prove or exhibit with examples
		Prepare	Make or get ready for particular purpose
		Solve	Find solutions through calculations and/or explanation
		Assess	Determine the value, nature, ability or quality
		Graph	Represent by graphs
Comprehension (2)	Explains Ideas and Information	Reconcile	Make consistent/compatible with another
		Define	Give the exact nature, scope or meaning
		Explain	Make a clear description in detail using relevant facts
		Describe	Write and communicate the key features
		Interpret	Translate in to understandable or familiar terms
Knowledge (1)	Recalls Facts and Basic Concepts	Recognize	Show validity or otherwise using knowledge or contextual experience
		List	Write the connected items
		Identify	Recognize, establish or select after consideration
		State	Express details definitely or clearly
		Relate	Establish logical or causal connections
		Draw	Produce a picture or diagram
Level of competency	Description	Action Verbs	Verb Definitions



**ASSOCIATION OF ACCOUNTING TECHNICIANS
OF SRI LANKA**

CURRICULUM 2020

SUGGESTED ANSWER

Level III

**302 - MANAGEMENT ACCOUNTING
& FINANCE (MAF)**

A publication of the Education and Training Division

Four [04] Compulsory Questions**SECTION - A**

[Total 20 Marks]

Answer to Question 01

Unit 3 - Different types of budgets and Planning & Controlling vs Budgeting.
Learning outcomes - Explain different approaches to budgeting.
- Discuss objectives of budgeting and budgetary process of an organization.

(a) Advantages of a rolling budget

- (1) It reduces uncertainty in budgeting
- (2) Force managers to reassess the budget regularly and to produce up to date budget.
- (3) Planning and control will be based on a recent plan which is more realistic.
- (4) It brings better understanding, responsibility and objectives between employees of the company.
- (5) It is easy to assess the actual performance against budget.

(Any three points - 3 marks)**(b) Objectives of a budgetary control system**

- (1) It compels planning.
- (2) It coordinates activities.
- (3) It communicates of activities.
- (4) Motivates managers to perform well.
- (5) Establishes a system of control.
- (6) Evaluates performance.
- (7) Delegates authority to budget holders.
- (8) Ensures achievement of the managers' objectives.

(Any four points - 2 marks)**(Total - 5 Marks)**

Answer to Question 02

Unit 1 - Introduction to Management Accounting, relevant cost in decisions making and decisions under risks and uncertainty.

Learning outcomes - Assess short term decisions.

	x	y					
Selling price	100	80					
Variable cost	<u>(55)</u>	<u>(53)</u>					
Contribution	45	27					
DM per unit	2kg	1.5kg					
Contribution per kg	22.5	18					
Rank	①	②					
product mix	$\chi =$ <table border="1"><tr><td>350</td></tr><tr><td>200</td></tr></table> $\times 2$	350	200	$\gamma =$ <table border="1"><tr><td>700</td></tr><tr><td><u>300</u></td></tr><tr><td><u>1000</u></td></tr></table> $\times 1.5$	700	<u>300</u>	<u>1000</u>
350							
200							
700							
<u>300</u>							
<u>1000</u>							

(5 Marks)

Answer to Question 03

Unit 7 - Working Capital Management.

Learning outcomes - Calculate the working Capital Cycle.

$$\text{Cost of sales} = 8,000,000 / 1.25 = 6,400,000$$

$$\begin{aligned} \text{Inventory resident period} &= (\text{Average inventory} / \text{cost of sales}) * 365 \text{ days.} \\ &= (560,000 / 6,400,000) * 365 \\ &= 31.93 \\ &= 32 \text{ days} \end{aligned}$$

$$\begin{aligned} \text{Trade receivables collection period} &= 365 / \text{turnover ratio} \\ &= 365 / 7.5 \\ &= 48.67 \text{ days} \\ &= 49 \text{ days} \end{aligned}$$

Working capital cycle = Inventory resident period + Trade receivables collection period – Trade payables settlement period

$$\text{Working capital cycle} = 32 + 49 - 40 = 41 \text{ days.}$$

(05 Marks)

Answer to Question 04

Unit 4 - Standard Costing and Cost of Capital.

Learning outcomes - Apply Standard Costing.

(a)

- (1) It helps management in formulating price and production policy.
- (2) It acts as a yardstick of performance.
- (3) It reduces available wastage and losses.
- (4) It facilitates to reduce clerical and accounting cost and managerial time.
- (5) Employees are more responsible.
- (6) It aids in budgeting control and in decision making.
- (7) Setting standards means setting goals and targets.

(Any three points - 3 Marks)

(b)

- (1) It may be costly and time consuming to implement and to keep up to date standard costing system. Because it requires high technical skills.
- (2) Inefficient staff is incapable of operating this system.
- (3) Since it is difficult to set correct standards, it is difficult to ascertain correct variances.
- (4) Industries which are subject to frequent changes need constant revisions of standards. Revisions may be more expensive.
- (5) For small companies, standard costing is expensive.
- (6) Standard costing may not be effective in industries which deal in non-standardized products or jobs according to customer's requirements.

(Any two points - 2 Marks)

(Total - 5 Marks)

Answer to Question 05

Unit 1 - Introduction to Management Accounting, relevant cost in decisions making and decisions under risks and uncertainty.

Learning outcomes - Apply cost volume profit (CVP) analysis.

(a)	Rs. Per unit	EXE	WYE
	Selling price (Rs.)	100	120
	Direct Materials	50	68
	Direct Labour	25	30
	Variable Overheads	5	6
	Contribution	20	16

$$\text{Sales Units of WYE} = 200,000 / 4 * 1 = 50,000 \text{ units}$$

Combined PV ratio

$$\begin{aligned} \text{Combined PV ratio} &= \text{Combined contribution} / \text{combined sales value} \\ &= [(200,000 * 20) + (50,000 * 16)] / [(200,000 * 100) + (50,000 * 120)] \\ &= 4,000,000 + 800,000 / 20,000,000 + 6,000,000 \\ &= 4,800,000 / 26,000,000 \\ &= \mathbf{18.46\%} \end{aligned}$$

(04 Marks)

(b) Break-even point of Exe

$$\begin{aligned} \text{Break-even sales value} &= \text{Total fixed cost} / \text{combined PV ratio} \\ &= 3,000,000 / 0.1846 \\ &= \mathbf{Rs.16,250,000/-} \end{aligned}$$

$$\begin{aligned} \text{Break-even sales of Exe} &= 16,250,000 * (20,000,000 / 26,000,000) \\ &= \text{Rs } 12,500,000 \end{aligned}$$

$$\begin{aligned} \text{Break-even quantity of Exe} &= 12,500,000 / 100 \\ &= \mathbf{125,000 \text{ units}} \end{aligned}$$

(03 Marks)

(c) **Margin of safety of Exe**

$$\begin{aligned}\text{Margin of safety} &= 200,000 - 125,000 \\ &= 75,000 \text{ units}\end{aligned}$$

Margin of safety of Wye

$$\begin{aligned}\text{Breakeven units of Wye} &= (16,250,000 - 12,500,000) / 120 \\ &= 31,250 \text{ units}\end{aligned}$$

$$\begin{aligned}\text{Margin of safety} &= 50,000 - 31,250 \\ &= 18,750 \text{ units}\end{aligned}$$

(03 Marks)

(Total 10 marks)

Answer to Question 06

Unit 5 - Sources of Capital and Cost of Capital.

Learning outcomes - Calculate Cost of equity, debt & WACC.

(a) Cost of ordinary shares

$$\begin{aligned}&= \frac{do(1+g)}{po} + g \\ &= \frac{7.5(1+0.04)}{60} + 0.04 \\ &= 17\%\end{aligned}$$

(02 Marks)

(b) Cost of preference shares

$$\begin{aligned}&= \frac{d}{po} \\ &= \frac{2.75}{25} \\ &= 11.00\%\end{aligned}$$

(02 Marks)

(c) **Cost of irredeemable debentures**

Par Value of a Debenture		100.00
Market Value of a debenture		99.40
Interest	$100 \times 10.75\%$	$= 10.75$
Tax		14%
Post tax interest	$10.75 \times (1 - 14\%)$	9.25
Cost of Debt	$= \frac{9.25}{99.4} \times 100 = 9.30\%$	

(02 Marks)

(d) **Weighted average cost of capital**

<i>Rs.'000</i>		
Ordinary Share Capital	<i>120 mn shares x Rs. 60</i>	7200,000
Preference Share Capital	<i>40 mn shares x Rs. 25.00</i>	1,000,000
Value of Debentures	<i>10 mn debentures x Rs. 99.40</i>	994,000
Total		9,194,000

	Weight	Cost of Capital	WACC
Ordinary shares	78%	17%	13.26
Preference shares	11%	11%	1.21
Debentures	11%	9.3	1.023
			15.5%

(04 Marks)

(Total - 10 marks)

Answer to Question 07

Unit 1	- Different types of budgets and Planning & Controlling vs budgeting.
Learning outcomes	- Prepare budgetary control statements and discuss Control and behavioral issues. - Discuss solution for Cash surplus and deficits and disadvantages of budgeting.

(a) **Budgetary control statement**

	Fixed budget	Flexed budget	Actual	Variance
No. Units produced and sold	100,000	60,000	60,000	
Sales	2,400,000	1,440,000	1,800,000	360,000
Less: Direct material	800,000	480,000	650,000	(170,000)
Direct Labour	500,000	300,000	320,000	(20,000)
Variable Overheads	300,000	180,000	230,000	(50,000)
Total Contribution	800,000	480,000	600,000	120,000
Fixed cost	500,000	500,000	400,000	100,000
Profit / (Loss) for the year	300,000	(20,000)	200,000	220,000

(07 Marks)

- (b) (1) Renegotiate suppliers' contracts.
(2) Paying incentive to customers who pay faster.
(3) Reduce expenses.
(4) Improve sales and collect from debtors.

(Any three points - 03 marks)

(Total - 10 marks)

Answer to Question 08**Unit 2 – Process Costing and Digital Costing****Unit 4 – Standard Costing and Variance Analysis**

- Learning Outcome
- Assess Process Costing
 - List Features of process Costing
 - Calculate basic , mix , yield , planning and operating variances and discuss their importance
 - Prepare the operating statement

(A) (a)**Process I Account**

	Kg	Rs.		Kg	Rs.
Material	1,000	150,000	Finished Goods	830	245,680
Labour	-	79,475	Normal Loss	50	375
Production Overheads	-	49,755	Abnormal Loss	70	20,720
			Closing WIP	50	12,455
	1,000	279,230		1,000	279,230

Statement of Equivalent Units, Costs & Valuation

	Material	Labour	Production Overheads	
Finished Goods	830	830	830	
Closing Work-in-progress	50	35	30	
Abnormal Loss	70	70	70	
Equivalent Units	950	935	930	
Input Cost	150,000	79,475	49,755	
(-) Normal Loss Scrap value	(375)			
Total Cost	149,625	79,475	49,755	
Cost per Unit	157.50	85	53.5	= 296
Valuation				
Finished Goods	296 × 830 =	245,680		
Closing Work-in-progress	7875	2975	1605	= 12,455
Abnormal Loss	70 × 296 =	20,720		

(13 Marks)

- (b) (1) Analysis and computation are easy.
 (2) Operating cost will be reduced using technology for costing.
 (3) It is more accurate. (Any two points - 2 marks)

(B) (a)

Direct material Price variance = Actual Quantity (Standard Price - Actual Price)

$$\text{Direct Material M1} = 7500 * 20 - 140,400 = 9,600 \text{ (F)}$$

$$\text{Direct Material M2} = 12,000 * 10 - 130,000 = 10,000 \text{ (A)}$$

$$\underline{\quad\quad\quad 400 \text{ A} \quad\quad\quad}$$

- (b) Direct Material Mix variance = Std Price (Actual usage at std mix - actual usage at actual mix)

$$\text{Direct Material M1} = 20 [(8/20 * 19,500) - 7,500] = 6,000 \text{ (F)}$$

$$\text{Direct Material M2} = 10 [(12/20 * 19,500) - 12,000] = 3,000 \text{ (A)}$$

$$\underline{\quad\quad\quad 3,000 \text{ F} \quad\quad\quad}$$

- (c) Direct material yield variance = Std Price * (Std usage in std mix - Actual usage in std mix)

$$\text{Direct material M1} = 20 [(20,000 * 8/20) - (19,500 * 8/20)] = 4,000 \text{ (F)}$$

$$\text{Direct material M2} = 10 [(20,000 * 12/20) - (19,500 * 12/20)] = 3,000 \text{ (F)}$$

$$\underline{\quad\quad\quad 7,000 \text{ F} \quad\quad\quad}$$

- (d) Direct Labour rate variance = Act labour Hrs (Std rate - Act rate)
 = 4,200 (60 - 65)
 = 21,000 (A)

(10 Marks)

(Total 25 Marks)

Answer to Question 09

Unit 1 – Introduction to Management Accounting , Relevance cost in decision making and decisions under risk and uncertainty

Unit 6 – Capital Investment Appraisals

Learning outcomes - Assess different methods of making decisions under risk and uncertainty

- Assess investment using DCF and non DCF methods

(A)

	<i>Rs.'000</i>					
Year	0	1	2	3	4	5
Initial cost	(4,000)					
Working capital	(400)					400
Sales	-	2,200	2,400	2,800	3,000	3,500
Variable cost		(600)	(700)	(1000)	(1,100)	(1,250)
Maintenance cost		(600)	(600)	(600)	(600)	(600)
Tax payment (Note 1)	-	-	(14)	(28)	(42)	(231)
	(4,400)	1000	1,086	1,172	1,258	1819
DF 15%	1	0.869	0.756	0.658	0.572	0.497
Present value	(4,400)	869	821	771	720	904

NPV = (315)

Note - 1

	1	2	3	4	5
Profit / (loss)	200	300	400	500	850
Deprecation	800	800	800	800	800
Capital Allowance	(1000)	(1000)	(1000)	(1000)	
	-	100	200	300	1,650
Tax 14%	-	14	28	42	231

As the NPV is negative the project is not financially feasible.

(15 Marks)

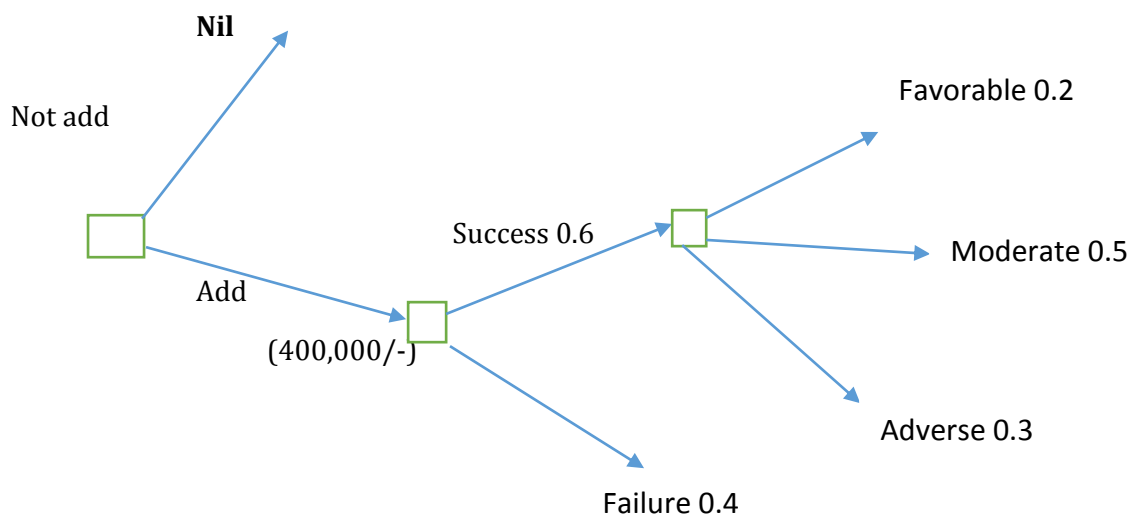
(B)

		Rs.
Wood	365 per sq. mtr x 8 sq. mtr x 75 tables	219,000
Polish	Purchase price - not relevant	-
	Opportunity Cost - 0.5 litres x 700 per litre x 75 tables	26,250
Other Material	4,500 per table x 75 tables	337,500
Labour	18 hours per table x Rs. 600 per hr x 1.5 x 75 tables	1,215,000
Variable Overheads	2,000 per table x 75 tables	150,000
Total Relevant Cost		1,947,750
Price of the Contract	22,500 per table x 75 tables	1,687,500
Net Financial Impact		(260,250)

Since the net financial impact is negative, the company should not accept the order.

(05 Marks)

(C) (a)



(b) Expected value of success = $(500,000 * 0.2) + (600,000 * 0.5) + (300,000 * 0.3) = 490,000$

Expected value of failure = 100,000

Expected value of adding new line = $(490,000 * 0.6) + (100,000 * 0.4) - 400,000 = (66,000)$

Adding the new product gives a negative expected value of Rs.66,000/-.

Therefore the company should not go for the new product line.

(05 Marks)

(Total 25 Marks)