## THE INSTITUTE OF BANKERS, BANGLADESH (IBB) 99th Banking Professional Examination, 2024

## AIBB

## Management Accounting (MA)

Subject Code :	2	0	9
	10000	100000	Andrew Co.

Time—3 hours and 30 minutes Full marks—100

			0.00	Fu	ll marks—100			
				Pa	ss marks—45			
[N.	(	questi	gures in the right m on should be answe	ered in the so	full marks. Answ me place. Use o	er any <b>five</b> question f a non programm	s. Different po able calculato	arts of a or in the
	•	examii	nation hall is permis	sible.j	Title nez	are a search second	SHEET PL	Marks
1.	(a)	Diff	ferentiate between F poses, uses and time	inancial Acco	unting and Mana	gerial Accounting b	ased on their	8
,	(b)	"M	anagerial Accounting	ng is helpful	in managerial on making.	decision making"—	-Discuss the	6
	(c)		cuss the functions of			Lyd Table 918 ag		6
2.	(a)	lend	ine break-even pointing decision?		e pretopre tra	though	gg "to med" gg	5
	(b)		ompany manufacturing price structure.	ed and sells a	single product w	hich has the follow	ing cost and	¥
					Tk/Unit	Tk/Unit		
		Se	lling price	e en come diamon	tion be based of	120		
			rect material	Transfer (1997)	. 22	in particular our t		
			rect labor		36		Market St.	
			riable overhead		14			
		1000	ked overhead	भी या जा का का रह	. 12	Leann Joseph C	man Addition	
		1	ica o remicad	. \$1.00	อักพร์ก <mark>สหร โดย</mark> ก	84	or and	
		<b>D</b>	c				A add	
		Pro	ofit per unit		Total	36		
		mor Buc You a	fixed overhead abs th. Assume that the ligeted sales for the name re required to calcumate the break-even point the margin of safe	same amount ext month are ulate: nt, in sales un	is spent each mon 2,200 units. its per month;	th, on fixed overhea		3×5=15
		(iii)	18.18.18.18.18.18.18.18.18.18.18.18.18.1					
		(iv)	the sales required			in a month:	iges bailt.	
		(v)				order to break-even.	n togo er-fi	
3.	(a)	Dis	cuss briefly the imp				reference to	5
	(b)	HF	House is a family ocerning the restaura	nt's monthly				
		num	ber of meals served	):		Formula		
			Revenue		et ecase en	TH		
			Cost of ingredients	1000	PART matricially	Tk. 6.25q	report in	
			Wages and salaries			Tk. 10,400	100	
			Utilities			Γk. 800+Tk. 0·20q		
		ie ii	Rent	The state of the state of		Tk. 2,200		
			Miscellaneous		mail and was a	Γk. 600+Tk. 0·80q		
	F	Requir	red:			The state of		
		<i>(i)</i>		rants planning	g budget for Apr	il assuming that 18	00 meals are	4
		(ii)	Assume that 1700 for this level of act	meals were a	actually served in	April. Prepare a fl	exible budget	4
	(c)		actual results for A		low. Prepare a fle	exible budget perfor	mance report	7
			he restaurant for Ap	ril.		FI 07.000		
			venue			Tk. 27,920		
			st of ingredients ages and salaries			Tk. 11,110		
			ilities			Tk. 10,130 Tk. 1,080		t
		Re				Tk. 2,200	•	
			scellaneous			Tk. 2,240		
		141				IR. 2,240		

	PHILIPPERING CHARLES	Contract to the Contract to th	Marks
l. (a)	Comparative financial statement data for	ABC company are as follows:	
	Assets	2023 2022	
	Cash and cash equivalents	Tk. 3 6	
	Accounts receivable	7 77 77	
	Inventory  Total current assets		
		ATT ALTERNATION AND ADMINISTRATION AND ADMINISTRATI	
	Property, plant and equipment	Tk. 240 200	
	Less accumulated depreciation	<u>", (65 50</u>	
	Net property, plant and equipment	Tk. 175 150	
	Total assets	Tk. 250 Tk. 220	
	Liabilities and shareholder's equity	The Annahold and the Annahold and the	
A. O.	Accounts payable	Tk. 40 Tk. 36	
	Common stock	,, 150 ,, 145	
	Retained earnings	, 60 , 39	
	Total liab and shareholder's equity	Tk. 250 Tk. 220	
		and the last of th	
	For 2023 year, the company reported no		
	Saics	Tk. 275	
	Cost of goods sold Gross margin	<u>,, 150</u>	
	Selling and administrative expense	****	
	Net income	<del>", 90</del> Tk. 35	
. 1	n the year, 2023, ABC company declared a	nd paid a cash dividend. There were no sales of 3. The company did not repurchase any of its	
1	own stock 2023.	. The company did not repurenase any of his	
2.2		No other conflicts of	
1	Required:  (i) Using the indirect method, prepare a	statement of each flaws for 2023	1:
			•
(a)	How does an increase in the income tax r		
(b)	Write down the assumption of Cost-Volu		- 4
(c)	electromagnetic radiation environments	s a specialized cordless telephone for high. The company's contribution format income	D
7.5	statement for the most recent year is give	n below:	
	1-3	Total (Tk.) Per unit (Tk.)	
	Sales (20,000 units)	1,20,000 60	
	Variable expenses	9,00,000 45	
	Contribution margin	3,00,000 15	
	Fixed expenses	2,40,000	
	Net operating income	60,000	
		company's profit and has asked for an analysis	
	of a number of items.	THE SHEET SHEET THE THE	
]	Required:  (i) Compute the company's CM Ratio	e toli attricosor bonom so sur use trascili sa su	10 2
		n point in both units sales and taka sales. Use	
	(ii) Compute the company's break-eve the equation method	in point in both units sales and taka sales. Use	
		ume that next year management wants the	
	company's to earn a profit of at lea	st Tk. 90,000. How many units have to be sold	
	to earn this target profit?	weissing how you to	
6. (a)	When a bank prefer using NPV over IRR	for capital project evaluation?	
(b)	이 얼마 없는데 가는데 되었다. 이 경향을 하고 있다면 하고 그렇게 하는데 하는데 하는데 하는데 하는데 되었다. 이 모양이 되었다.	oduct line to supplement its expanding market	1
(0)	share. It is anticipated that the new p	product line will involve cash investment of	
	Tk. 6.00,000 initially.	hogi ti	15
	After tax cash inflows of the project ar	e expected as per following table although the	
	cash flows do not consider the depr	reciation. The company follows straight-line	
	depreciation method.	Altanomental Ayan IV	
		s with salvage value of Tk. 1,00,000. Cost of	
	capital is 10%.	Amount of cash flow (in Tk.)	
	End of the year	2,50,000	
	2	1,75,000	
	2 3	1,50,000	
	4	2,25,000	
	5	1,95,000	
	Required : Calculate (i) Payback period	(ii) NPV (iii) Discounted payback period	
4	(iv) IRR (v) Profitability index		

					Ma	rks
7.	(a)	What	are the factors to be considered while assessing cial institutions?	working capital requirement of		4
	(b)		company manufactures furniture. Identify he curr	ent assets and current liabilities		8
	(0)		to be found on their balance sheet. Classify each i			0
		capit	al (Current Asset-Current Liabilities) and calcul	ate the company's net working		
		capit		21, 31, 13, 13, 13, 10, 12, 0		
			ided information :	Superingers		
			Cash . Mar all a control and a second control is	Tk. 1,00,000		
			Account receivable :	,, 2,50,000		
		— į	nventory (raw materials a finished goods) :	,, 4,00,000 20,000		
		—1	Prepaid insurance :	,, =0,000		
			Accounts payable :	,, 1,50,000		
			Accrued salaries :	" 30,000 " 1,00,000		
				** *		
	(c)	Com	pany XYZ is considering two alternative cash mana	50 000. The annual aget of each		
			on A: Maintain a minimum cash balance of Tk.	50,000. The annual cost of cash	9	
			ing cash is 2%.	hto reduce delly each collections		6
		Opti	on B: Implement a lockbox system that is expected days, leading to an annual cash saving of Tk. 15,0	000 The annual fee for the lock	2210	
			system is Tk. 8,000.	700. The almual fee for the lock	tripo)	4
			Calculate the annual cash holding cost for option	same from 3		4
		(i)	Determine the optimal cash management strategy.	For company XV7 considering	(117)	4
	10	(ii)	both cost savings and holding costs.	. o. company A 12 considering		- 40
3.	A D	Coon	npany which is an MNC sells mobile telephone	es It supplies customers with	60	20
о.	tele	phone	s and wireless telephone connections. Customers pa	av an annual fee plus a monthly		20
	cha	rge ha	sed on calls mad. The company has recently emp	ployed a consultant to install a		
	bala	nced	scorecard system of performance measurement and	to benchmark the results against	111	
	thos	se of	ABC com's competitors. Unfortunately the consult	ant was called away before the	75.	
	wor	k was	s finished. You have been asked to complete the	e work. The following data is		
		ilable.		la la dona		
,			ABC Company	attornogenom protect bull	1205	
			Operating data for the year ended	Kart-Hand Surreting (* 193)	100	
	(*)	Sal	es revenue	Tk. 480 million	100	
		Sal	es attributable to new products	Tk. 8 million		
			erage capital employed	Tk. 192 million		
			ofit before interest and tax	48 million		
		Av	erage number of customer	19,60,000		
			erage number of telephones retuned for repair each	10,000		
			year	THE PERSON OF LEADING THE PERSON OF THE PERS	103	1.4
		Nu	mber of bill queries	12,000		
		Nu	mber of customer complaint	21,600	(30)	
	8	Nu	mber of customer lost	1,17,600		
	*		erage number of telephones unrepaired at the end	804	144	
			of each day	-HORE LIGHT SHE SHORE	(W)	
	Re	quired		37.2 34.27 100		
			culate the following ratios and other statistics for	ABC com. for the year ended	189	
		31 I	December 2023 :	े प्रतिद्धाः सालकारी वर्षालीव ,वीताम	(15)	50
		(i)	Return on capital employed;	THE REST OF STREET		
		(ii)	Return on sales (operating margin);	THAT PERSON STORY	15. 4	
		(iii)	Asset turnover;	The state are self-	10.74	
- 7		(iv)	Average wait for telephone repair (in days);			
		(v)	Percentage of customers lost per annum;	AND THE PROPERTY AND ADDRESS OF THE PARTY.		
		(vi)	Percentage of sales attributable.	stable a supplied in the first seat of the	(F).	
9.	(a)	Wha	at are the purpose of analyzing financial statements of	of borrowers by the bank?		6
	(b)	100000	financial statements of BB company are given below		15	14
* 2	(-)		BB Company			
			Income statement (2023)	Name of the state		
		Sal		Tk. 80,00,000	12	
	1		st of goods sold	" <u>52,60,000</u>	•	
			oss profit	27.40.000		
			lling and administrative	15 00 000		7.
			erating profit	12 40 000	7.80	
			erest expenses	1.40.000		
			come before tax	,, <u>1,40,000</u>		
				,, 11,00,000		
			x expenses	" <u>4,40,000</u>		
		Ne	t income	6,60,000		

4	***				*50	Marks
		Statement of F	inancial Position	2022	ROUGH WILLIAM	1. 1
		Cook	2023	2022		
		Cash	Tk. 2,00,000	Tk. 50,000		
		Accounts receivable	12,00,000	9,50,000		
		Inventory	18,40,000	15,00,000		
		Total current assets	32,40,000	25,00,000		
		Fixed assets	32,00,000	30,00,000	1	
		Total assets	Tk. 64,40,000	Tk. 55,00,000		
			1111 0 1, 10,000	111. 55,00,000		
		Accounts payable	Tk. 8,00,000	7,20,000		
		Bank loan	6,00,000	1,00,000		F.
		Total current liabilities				
		A CONTRACTOR OF THE PROPERTY O	14,00,000	8,20,000	Wall,	
		Bonds payable	9,00,000	10,00,000		2
		Total liabilities.	23,00,000	18,20,000		
		Common stock (1,30,000 share)		3,00,000		
		Retained earnings	38,40,000	33,80,000	1. 1. 1975	
		Total liabilities & equity	Tk. 64,40,000	Tk. 55,00,000		
	•					
r	Note:	The common share are trading in the st	ock market for 1 k. 4	0 each.		
F		red : Calculate the following ratio for 2	023:	.0(21)		$2 \times 7 = 14$
	(i)	Current ratio	o selesa e e dedal	tom to the second		
	(ii)	Quick ratio	The American State of the Con-			
	(iii)	Leverage ratio	re migrational in the		and Alex	
	(iv)	Average ratio Average collection period Time interest earned ratio	or or America	or contagnation		
	(v)	Time interest earned ratio	at of does like 1.			YA T
	(vi)					
	(vii)	Price earning ratio.	percus with principles	Marin Transport		
10.	Wri	te short notes on any five of the following	ng	alifer a strong and	might be a second	$4 \times 5 = 20$
	(i)	Financial leverage	and river transfer is	THE RESERVE OF THE PARTY OF THE		
	(ii)	Economic Order Quality (EOQ)	enters of books on	si nas ani b		
	(iii)	Sunk cost			· - 1850	
	(iv)	Just in time management	was to Fixed		4	
	(v)	Zero-Based Budgeting (ZBB)	Tarrell of the state of	and the second		
	(vi)	Sensitivity analysis	and some and some the			
	(vii)	Non-discounted capital budgeting tech	nnique		STORE START	4.
	(viii)	Standard costing.	279075	oug Viornot ideas	section control	
		and the first first file	বাংলা অনুবাদ]	Color mars pare		
12		দ্রষ্টব্য : ডান পাশের সংখ্যা প্রশ্নের প্		া পাঁচটি প্রশেব উত্তব	<b>जिन</b> ।	
		Man . att man Kon dan X			5 1000	নম্বর :
٠.	( <del>**</del> )	উদ্দেশ্য, ব্যবহারকারী ও সময়ের ব্যপ্তির উপর	ভিত্তি করে ভার্থিক হিসার	ব্রিজ্ঞান ও ব্যবস্থাপন	া তিসাববিজ্ঞানেব	ъ
21	(ক)		וטוט זינא שוועזי וציווי	गानळान ० नामश्रानन	1 14 11 11 1 works 1 14	•
		মধ্যে পার্থক্য আলোচনা করুন।		A 20100 10		140
	(খ)	"ব্যবস্থাপনা হিসাববিজ্ঞান ব্যবস্থাপনার সিদ্ধান্ত	গ্ৰহণে সহায়ক"—াববৃাৎ	गण जालावना कर्नन	। সিদ্ধান্ত হাহণের	5
		উপকরণসমূহ উল্লেখ করুন।		- web over - in		
	(গ)	ব্যবস্থাপনা হিসাববিজ্ঞানের কাজগুলো আলোচন	করুন।			•
	(ক)	সমচ্ছেদ বিন্দু বর্ণনা করুন। সমচ্ছেদ বিন্দু বি	वेरमञ्चल कीसारव अन क	র্মকর্তাকে ঋণ প্রদান	সংক্রান্ত সিদ্ধান্ত	· ·
२।	(4)	গ্রহণে সাহায্য করে?	100111 11-101 11 1			
					2 1 NE TO 1 1	30
	(খ)	रेश्दर्शक जर्म प्रभून।	since forther the se	has parasital in		
91	(ক)	ব্যাংকিং প্রতিষ্ঠান বিবেচনায় বাজেটীয় নিয়ন্ত্রণ ব	্যবস্থার গুরুত্ব সম্পর্কে অ	ালোচনা করুন।		œ
	(খ)	ইংরেজি অংশ দেখুন।	100		9 02 to 1	ъ
	(গ)	ইংরেজি অংশ দেখুন।			Page 11 13	٩
EASTER .			4		Jeuse Pro-	\$€+¢=₹0
8 1	२१८	জি অংশ দেখুন।	division tell di agrecio	States of the		#4 T4 - 40
01	(ক)	আয় হার বৃদ্ধি কীভাবে সমচ্ছেদ বিন্দুকে প্রভাবি	ত করে? ব্যাখ্যা করুন।			8
	(খ)	ব্যয়-পরিমাণ-মুনাফা বিশ্লেষণের অনুমানসমূহ ব	র্ণনা করুন।			8
		देश्यक्ति अश्म मिथून ।			144	35
	(গ)		TIDD AT ATT LINE	313813 X375 00	E 7770	
61	(ক)	কখন একটি ব্যাংক মূলধন প্রকল্প মূল্যায়নের জ	TO IKK MA COCH NPV	पापराव क्षरण प्र	4 4.043	. 8
	(착)	ইংরেজি অংশ দেখুন।	gvere and			76
	13 53	আর্থিক প্রতিষ্ঠানের কার্যকরী মূলধনের প্রয়োজ	जीगाकाकरमा प्राम्याचा क	तात प्रकार क्यांच कि	ाः स्योक्ष्यस्याः जिल्लास्याः	8
91	(ক)		निविधावत्ता मृत्याप्रम प	אוא אוא נאות ואי	וויטפאו וויטפאו	. 0
		করতে হবে?				
	(착)	ইংরেজি অংশ দেখুন।				ъ
	(গ)	ইংরেজি অংশ দেখুন।				ъ
						20
61		জি অংশ দেখুন।	Graphy	जार की c		100
91	(ক)	ব্যাংক কর্তৃক ঋণ গ্রহীতার আর্থিক বিবরণীসমূহ	াবল্লেষণ করার ডদ্দেশ্যস	मृद् का?	M 14	. 6
*	(왕)	ইংরেজি অংশ দেখুন।			141	78
٠		ः ইংরেজি অংশ দেখুন।				8×¢=20
20	णका	. राज्यान जरा व्यक्ता				