DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

UNIVERSITY OF BARISHAL FINAL EXAMINATION

Final Examination-2023

Course Code: HUM 3109, Course Name: Financial and Management Accounting Time: 3 Hours, Full Marks: 60

Answer any Four Question

1	a)	Define Accounting.	Who are the	users of acc	ounting infor	rmation?			- N. W. A.	-
	b)	What are the import	ance of finan	cial account	ing?	nt accounti	na	-		-
	c)	Distinguish between	i financiai acc	counting and	a manageme	nt account	iig.	123		\dashv
ŀ	_	What are the steps is	n the recordir	ng process?						
ł	a) b)	Big box store is loc	ated in midt	own Madiso	on. During	the past se	veral yea	rs, net i	ncome ha	as
ı	0)	been declining beca	use of suburl	oan shoppin	g centers. A	at the end o	of the con	npany's	fiscal year	ar
I		on November 30,20	17, the follow	ving accoun	its appeared i	in two of it	s trail bal	ances.		
1		Account titles	Unadjusted					sted A	djusted	71
		Accounts	25,200	25,200	Notes payal	hle	37,000	37	,000	H
		payable	23,200	23,200	rvotes payar	oic	37,000		,000	11
١		Accounts	30,500	30,500	Owner's ca	pital	1,01,70	0 1.0	01,700	11
١		receivable			CARCOLOGISTA STUDING	■ 0.7-7500E	21221			Π
1		Accumulated	34,000	45,000	Owner's dra	awing	10,000	10	,000	11
1		dep- equipment								11
		Cash	26,000	26,000	Prepaid ins	urance	10,500	10	,500	11
		Cost of goods	5,18,000	5,18,000	Property tax	xes exp.		2,	2,500	71
	1	sold	3,10,000	2,10,000		•		-	500	4
	1	Freight-out	6,500	6,500	Property ta	x payable		2	500	
	1	Insurance	The state of the s	7,000	Sales reven	nue	7,20,00	00 7	,20,000	
	1	expense					6.500		1 000	_
1	1	Interest expense	6,400	6,400	Sales com	mission	6,500	1	1,000	
1					exp.					
		Interest revenue	2,000	2,000	Sales comr	nission		14	,500	
1	1	11			payable			- 1		
		11			I					
ï		Inventory	32,000	32,000	Sales return	n and	8,000	1	3,000	_
		Inventory	32,000	32,000	Sales returnallowance	000				
		Instructions :	32,000 a multiple-st		Sales returnallowance Utilities ex	pense	8,500		3,500	
	9)	Instructions: a) Prepare classifie b) Journali c) Journali	a multiple-st ed balance sh ize the adjust ize the closin	ep income eet, Notes p ing entries the	Sales returnallowance Utilities executed at the statement, as any able are detailed at are necessions.	an owner's ue in 2020	8,500 equity sta		3,500	
_	a) h)	Instructions: a) Prepare classifie b) Journali c) Journali	a multiple-sted balance shize the adjustize the closin	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were main at are necess Costs?	an owner's ue in 2020 ide. ary.	8,500 equity sta		3,500	
-	a) b)	Instructions: a) Prepare classified b) Journaling c) Journaling Define cost. What a The following info	a multiple-sted balance shize the adjustize the closin	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were main at are necess Costs?	an owner's ue in 2020 ide. ary.	8,500 equity sta	ntement,	3,500 and a	1,
-	_	Instructions: a) Prepare classifie b) Journali c) Journali	a multiple-sted balance shize the adjustize the closin	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were main at are necess Costs?	an owner's lue in 2020 ade. ary.	8,500 equity state.	December 2021	3,500 and a	1,
-	_	Instructions: a) Prepare classified b) Journaling c) Journaling Define cost. What a The following info	a multiple-sted balance shize the adjustize the closin	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were main at are necess Costs?	an owner's ue in 2020 ade. ary.	8,500 equity sta	December 2021	3,500 and a	1,
-	_	Instructions: a) Prepare classifie b) Journali c) Journali The following info Inventories	a multiple-sted balance shize the adjustize the closin	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were main at are necess Costs?	an owner's tue in 2020 ade. ary. ords of M G January 1 Tk. 5,000	8,500 equity sta	December 2021 Tk. 7,00	3,500 and a	1,
-	_	Instructions: a) Prepare classifie b) Journali c) Journali The following info Inventories Finished goods	a multiple-sted balance shize the adjustize the closin	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were manatare necess Costs? Troom the recommendation of the rec	an owner's ue in 2020 ade. ary.	8,500 equity sta	December 2021	3,500 and a	1,
-	_	Instructions: a) Prepare classifies b) Journalis c) Journalis The following info Inventories Finished goods Work-in-process	a multiple-sted balance shize the adjustize the closin	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were manatare necess Costs? Troom the recommendation of the rec	an owner's tue in 2020 ade. ary. ords of M G January 1 Tk. 5,000	8,500 equity sta	December 2021 Tk. 7,00 9,000 12,00	3,500 and a	1,
-	_	Instructions: a) Prepare classifies b) Journalis c) Journalis Define cost. What a street the following information of the followin	a multiple-sted balance shize the adjustize the closin are the differ rmation has l	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were manatare necess Costs? Troom the recommendation of the rec	an owner's tue in 2020 ade. ary. ords of M G January 1 Tk. 5,000	8,500 equity sta	December 2021 Tk. 7,00 9,000 12,00	3,500 and a	1,
-	_	Instructions: a) Prepare classifie b) Journali c) Journali The following info Inventories Finished goods Work-in-process Materials Materials purchase	a multiple-sted balance shize the adjustize the closin are the differ rmation has l	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were manatare necess Costs? Troom the recommendation of the rec	an owner's tue in 2020 ade. ary. ords of M G January 1 Tk. 5,000	8,500 equity sta	December 2021 Tk. 7,00 9,000 12,00	3,500 and a	1,
-	_	Instructions: a) Prepare classifies b) Journalis c) Journalis Define cost. What a street the following information of the followin	a multiple-sted balance shize the adjustize the closin are the differ rmation has l	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were manatare necess Costs? Troom the recommendation of the rec	an owner's tue in 2020 ade. ary. ords of M G January 1 Tk. 5,000	8,500 equity sta	December 2021 Tk. 7,00 9,000 12,00	3,500 and a oer 3	1,
-	_	Instructions: a) Prepare classifies b) Journalis c) Journalis Define cost. What a street the following information of the followin	a multiple-sted balance shize the adjustize the closing are the differ mation has been sees	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were manatare necess Costs? Troom the recommendation of the rec	an owner's tue in 2020 ade. ary. ords of M G January 1 Tk. 5,000	8,500 equity sta	December 2021 Tk. 7,00 9,000 12,00 Tk. 100,0 200,0 3,0 25,0	3,500 and a oer 3 00 00 00 000 000 000	1,
-	_	Instructions: a) Prepare classifie b) Journali c) Journali The following info Inventories Finished goods Work-in-process Materials Materials purcha Direct labor Freight in Sales salaries and	a multiple-sted balance shize the adjust ize the closin are the differ rmation has been sees	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were manatare necess Costs? Troom the recommendation of the rec	an owner's tue in 2020 ade. ary. ords of M G January 1 Tk. 5,000	8,500 equity sta	December 2021 Tk. 7,00 9,000 12,00 Tk. 100,0 200,0 3,0 25,0 4,0	3,500 and a oer 3 00 00 00 00 00 00 00	1,
-	_	Instructions: a) Prepare classifies b) Journalis c) Journalis Define cost. What a street the following information of the followin	a multiple-sted balance shize the adjust ize the closin are the differ rmation has been sees	ep income eet, Notes p ing entries the	Sales returnallowance Utilities existatement, a payable are dethat were manual are necess Costs? Troom the recommendation of the r	an owner's tue in 2020 ade. ary. ords of M G January 1 Tk. 5,000	8,500 equity sta	December 2021 Tk. 7,00 9,000 12,00 Tk. 100,0 200,0 3,0 25,0	3,500 and a oer 3 00 00 00 00 00 00 00 00	1,

	19	Purchase returns and allowances	No. of the			5,000	
	353	Sales				350,000	100
		Purchase discounts				800	
		Sales discounts				2,000	
		Required:					
		Prepare a cost statement for the ye	ar ended	31 December 2	021.	A CONTRACTOR OF THE PARTY OF TH	
		The state of the year	ui chaca				
	a)	Distinguish between break-even po	oint and r	margin of safety	?		_
	b)	Voltar Co. manufactures and sell radiation environment. The comprecent year is given below: Sales (20,000 units) Variable expenses Contribution margin Fixed Expenses Net Operating income	a a chani	alized cardless	telephone for nat income st k.)	Per Unit (Tk.) 60 45	ost
		Management is anxious to increase	a tha an	<u>60,000</u>	and has asked	for an analysis of a	
		 Compute the company's CN Compute the company's brown and the same sales increase by the unchanged, by how much we will also an a profit of at least tk. 9 target profit? Refer to the original data. Of percentage form. a. Compute the company's of b. Assume that through a mincrease by 8% next year. Be to increase? Use the degree c. Verify your answer to (be showing an 8% increase in sequality speaker. The higher-unit, but management could \$30,000 per year. The sales increase annual sales by at least Assuming that changes are contribution format income sequences are sales. Use the form c. Would you recommend the sales in the besie difference between 	eak-even c. 400,000 vill the consume the 0,000. Ho compute com	point in both unid next year. If company's net operating and in personal in pe	it sales and tk. st behavior paterating income lagement wants fill have to be so an of safety in but ge at the presentes staff, the current you expect net betain your answribution formatis considering rease variable pector who is perhipher-quality the prepare a probability of the property of the prope	tern remain increase? It increase? It increase? It incomes this work and It level of sales. It income statement the use of a higher-costs by \$3 per aid a salary of y speaker would ojected total, per unit, and in both units and	122
b) Old company Link Inc. produces sausages in three production department – Mixing and Curing and Packaging. In the Mixing department, meats are prepared and ground mixed with spices. The spiced meat mixture is then transferred to the Casting and Department, with spices. The spiced meat mixture is then transferred to the Casting and department, where the mixture is force-fed into casting and then hung and cured controlled smoking chambers. In the packaging department, the cured sausages apacked and labeled. The company uses the weighted average method in its processystem. Data for September for Casting and Curing Department follow: Percent Completed Per							
		Work-in-process Inventory,	1	100%	90%	80%	
		September 1 Work-in-process September 30 Work-in-process inventory,	1	100%	80%	70%	
1				Law of Black	Matarial	10 . 1	
		Annual Control of the					
		Work-in-process Inventory, Septem		Mixing Tk. 1,670	Material Tk. 90	Conversion Tk. 605	12

/		11.11.1.000	TI 40 400	
1	X	Cost added during September Tk. 81,460 Tk. 6006	Tk. 42,490	
//	1	Mixing cost represents the cost of the spiced meat mixture transferred in	from the Mixi	ng
		Department. The spiced meat mixture is processed in the Casting and Cur		
		batches; each unit in the above table is a batch and one batch of spiced mea		
/		a set amount of sausages that are passed on to the Packaging Department.		er,
1		50 batches (i.e., units) were completed and transferred to the packaging depa	rtment.	
1	I	Required:		
		1. Determine the equivalent units for September for mixing, material an	d conversion.	
		2. Compute the cost per equivalent unit for September for mix	ing, material a	nd
		conversion.		
		3. Determine the total cost of ending work in process inventory and the	e total cost of un	its
		transferred to the packaging department in September.		
		4. Prepare a cost reconciliation report for the casting and curing departn	ent for	
		September.		
				+
(a)	1 1	7 1 1 1 TO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
_	1	What is NPV? Can it ever be negative? Explain.		5
b)	I	Co. is considering a project that would have a five year life and requi	re a tk. 2.400.00	00
_	I	Co. is considering a project that would have a five year life and requinvestment in equipment. At the end of the 5 years, the project would	terminate and th	00
_	I	Co. is considering a project that would have a five year life and requinvestment in equipment. At the end of the 5 years, the project would	terminate and th	00
_	i	Co. is considering a project that would have a five year life and requi	terminate and th	0
_	i	Co. is considering a project that would have a five year life and requinvestment in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net open	terminate and the	00
_	i	Co. is considering a project that would have a five year life and requinvestment in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net open	terminate and the rating income each	00
_	i	Co. is considering a project that would have a five year life and requine investment in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net open year as follows: Sales	Tk. 3,200,000	00
_	i	Co. is considering a project that would have a five year life and requinvestment in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net open year as follows: Sales Variable expenses	Tk. 3,200,000 1,800,000	00
_	i	Co. is considering a project that would have a five year life and requirement in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net open year as follows: Sales Variable expenses Contribution margin	Tk. 3,200,000	00
_	i	Co. is considering a project that would have a five year life and requinvestment in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net open year as follows: Sales Variable expenses Contribution margin Fixed expenses	Tk. 3,200,000 1,800,000	00
_	i	Co. is considering a project that would have a five year life and requinvestment in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net oper year as follows: Sales Variable expenses Contribution margin Fixed expenses Advertising, salaries and other fixed out of pocket costs tk. 700,000	Tk. 3,200,000 1,800,000	00
_	i	Co. is considering a project that would have a five year life and requirement in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net open year as follows: Sales Variable expenses Contribution margin Fixed expenses Advertising, salaries and other fixed out of pocket costs tk. 700,000 Depreciation tk. 300,000	Tk. 3,200,000 1,800,000 1,400,000	00
_	i	Co. is considering a project that would have a five year life and requirement in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net open year as follows: Sales Variable expenses Contribution margin Fixed expenses Advertising, salaries and other fixed out of pocket costs tk. 700,000 Depreciation tk. 300,000 Total fixed expenses	Tk. 3,200,000 1,800,000 1,400,000	00
_	i	Co. is considering a project that would have a five year life and requirement in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net open year as follows: Sales Variable expenses Contribution margin Fixed expenses Advertising, salaries and other fixed out of pocket costs tk. 700,000 Depreciation tk. 300,000 Total fixed expenses Net operating income	Tk. 3,200,000 1,800,000 1,400,000	00
_	i	Co. is considering a project that would have a five year life and requirement in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net open year as follows: Sales Variable expenses Contribution margin Fixed expenses Advertising, salaries and other fixed out of pocket costs tk. 700,000 Depreciation tk. 300,000 Total fixed expenses Net operating income The company's discount rate is 12%	Tk. 3,200,000 1,800,000 1,400,000	00
_	i	Co. is considering a project that would have a five year life and requirement in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net oper year as follows: Sales Variable expenses Contribution margin Fixed expenses Advertising, salaries and other fixed out of pocket costs tk. 700,000 Depreciation tk. 300,000 Total fixed expenses Net operating income The company's discount rate is 12% Required:	Tk. 3,200,000 1,800,000 1,400,000	00
_	i	Co. is considering a project that would have a five year life and requirement in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net oper year as follows: Sales Variable expenses Contribution margin Fixed expenses Advertising, salaries and other fixed out of pocket costs tk. 700,000 Depreciation tk. 300,000 Total fixed expenses Net operating income The company's discount rate is 12% Required: 1. Compute annual net cash inflow from the project	Tk. 3,200,000 1,800,000 1,400,000	00
_	i	Co. is considering a project that would have a five year life and required newstment in equipment. At the end of the 5 years, the project would equipment would have no salvage value. The project would provide net open year as follows: Sales Variable expenses Contribution margin Fixed expenses Advertising, salaries and other fixed out of pocket costs tk. 700,000 Depreciation tk. 300,000 Total fixed expenses Net operating income The company's discount rate is 12% Required: 1. Compute annual net cash inflow from the project 2. Compute the project's net present value. Is the project acceptable.	Tk. 3,200,000 1,800,000 1,400,000 400,000	00
_	i	Co. is considering a project that would have a five year life and required investment in equipment. At the end of the 5 years, the project would requipment would have no salvage value. The project would provide net open year as follows: Sales Variable expenses Contribution margin Fixed expenses Advertising, salaries and other fixed out of pocket costs tk. 700,000 Depreciation tk. 300,000 Total fixed expenses Net operating income The company's discount rate is 12% Required: 1. Compute annual net cash inflow from the project 2. Compute the project's net present value. Is the project acceptable.	Tk. 3,200,000 1,800,000 1,400,000 400,000	00