

Bangladesh Open UniveTk.ity
BBA Program
Semester: 182 (8th Level-AIS)

CouTk.e Title: Advanced Accounting

Due no: October 04, 2019

Instructions

- Answer the all questions in your own handwriting on A4 size white paper.
- Fill-in the cover page of your assignment with care.
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Questions

1. (a) Explain the distinguishing fearures between Departmental Accounts and Branch Accounts and the advantages derived from departmental Accounts.
(b) Is there any difference between Branches and Departments, from the accounting point of view?
2. Orchard carried on trade as a fruit grower and a canner. On December 31,2017 the trial balance extracted from his book was as follows (Taka in thousand).

Particulars	Dr.	Cr.	Particulars	Dr.	Cr.
Orchard: Capital (1.1.2017)		13,500	Bought Ledger balances:		
Drawings	1200		Farm		200
Freehold land and premises at cost	14,900		Cannery		740
Sales during the year		800	Purchases:		
Plant and machinery at cost:			Farm	250	
Farm	1,900		Cannery	1,210	
Cannery.	4,800		Wages:		
Purchases of plant and machinary			Farm	1,600	
less sale during the year	500		Cannery	2,400	
Provisions for depreciation:			Sales:		
Farm		1,100	Farm		530
Cannery		1,640	Cannery		9,950
Fruit trees and bushes at cost	800		Trade expenses	920	
Stock (1.1.2017)			Administration and motor		
farm	400		expenses (including loan		
Cannery	1,650		interest to Sept. 30, 2017	584	
Loan at 6% (interest payable on		800	Repairs:		
March 31 and September 30)			Farm	80	
Blance at bank		864	Cannery	360	
Sales ledger balances		642	Salaries	1,400	
				36,460	36,460

You are instructed to prepare the accounts and are given further information as follows:

- (a) Provision is to be made for depreciation for the year of plant and machinery on cost at the end of the year at the rate of 10 per cent in the case of the farm and 71/1 per cent in case of the cannery.

- (b) During the year tractor, included in farm plant and machinery at cost of Tk.600 and in respect of which depreciation of Tk. 500 had been provided was sold of Tk. 300 and was replaced by a new tractor costing Tk. 800.
- (c) Fruit to the value of Tk. 2,200 was supplied by the farm to the cannery.
- (d) Stocks in hand on December 31 2017, were valued as follows: Farm Tk. 300, cannery Tk.1,720.
- (e) Amounts owing, excluding loan interest accrued due at the end of the year were: Purchases: Cannery (included in stock but not entered in the books) Tk. 140; Trade expenses Tk. 80.
- (f) Bought ledger balances at the end of the year included Tk. 320 for cans supplied. Since the books were closed the supplier agreed to allow Tk. 160 as the cans were sub-standard. This allowance had been taken into account in valuing the stock on December 31, 2017.
- (g) All expenses except where otherwise indicated are to be apportioned on the basis: farm-one fourth, Cannery-three fourths.
- (h) Orchard is to be charged Tk. 2 per week for expenses incurred on his private car.
- (i) Freehold land, sold for Tk. 850, had cost Tk. 350.
- (j) Pipin, the manager of the cannery, is to be credited with 5 per cent of the cannery profits after charging his commission.

Required:

- (a) Prepare Trading and profit and Profit and Loss Account showing, separately, the net profit or loss of the farm and of the cannery for the year ended December 31, 2017, and
 - (b) Balance Sheet as on that date. Ignore taxation.
3. (a) What do you understand by an “independent branch? Differentiate between a `dependent branch` and an `independent branch`. Explain briefly the system of accounting that you will adopt in each case.
- (b) X Ltd. operates a retail branch at Dhaka. All purchases are made by the Head office in Chattagram, goods being charged out to the branch at selling price which is cost plus 25%. All the expenses of branch are paid through Head Office cheques. Cash collected from customer as also the ready money sales are daily banked to the credit of the Head Office.

Particulars	Taka	Particulars	Taka
Debtors at start	10,000	Invoked inventory at the end	15,000
Debtors at end	12,000	Salaries	6,000
Ready money sales during the year	70,000	Rent	5,000
Cash received on ledger account	65,000	Bad debts	2,000
RetuTk. to H.O. at invoice price	5,000	Discount and allowance	3,000
Invoiced inventory	16,000	Normal leakage and spoilage	4,000

Required:

From the above particulars of the branch write-up necessary accounts to arrive at the branch profit or loss in the Head Office books by using stock debtors system.

4. (a) What do you mean by Royalty? Why the Minimum Rent Account is books of the lessee?
- (b) On 1st January 2017, J. Colliery purchased one car from Gazipur Motor Ltd. The cash down price of the car was Tk. 50,000. It was agreed that Tk.5,000 would be paid on signing the agreement and the balance by 4 equal annual instalments of Tk. 12,500 each commencing from 31st December 2017, Colliery Company closes its books on 31st

December. Depreciation is charged on car @ 10% p.a. on the Diminishing Balance Method.

Required:

Show the necessary Ledger Accounts in the books of Gazipur Motors Ltd. for 4 year.

- (c) On 1st January, 2009. Model Industries Ltd. purchased a machine from Ideal Machineries Ltd, under hire purchase agreement. The terms were that Tk. 4,780 would be paid on delivery, that is on 1st January 2009, and the balance in three consecutive yearly instalments of Tk. 9,261 each, payable on 31st December each year. The instalments included interest @ 5% per annum on the balance of the cash down price due.

Required:

Calculate the cash down price of the machine and show the Machinery Account (assuming depreciation was charge @ 10% under the Reducing Balance Method) and the account of Ideal Machineries Ltd. in the books of Model Industries Ltd.

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Questions

1. The Following balance have been extracted from the books of SS Ltd, as on 3 1st March , 2012:

Debit	Taka	Credit	Taka
Land at cost	37,250	Shara capital(20,000 sh. of Tk.. 10 each fully called-up)	2,00,000
Buildings	1,50,000	General reserve	80,000
Plant	80,000	Securities	20,000
FuritluTk.	15,000	Gross Profit	1,02,250
Selling expenses	12,000	Provision fortaxation(opening balance)	15,000
DirectoTk. fees	2,400	Bad debts reallsed	1,500
Administration expenses	38,000	6% Debentures (unseeoured)	2,00,000
Sinking fund investment	40,800	Profit and Loss Account (opening balance)	5,00
Calls-in-arreaTk.	3,000	Sinking Fund for debenture rdemption	40,000
Bad debis	2,000	sundry	23,000
Audit lees	1,45,000	Interest on sirking fund inbestments	2,500
Adbance payment of income tax for 2000-01	12,000	Mescellaneous	3,000
Income tax for 2001-01	8,000	Liabilities for expenses	4,000
Closing stock	65,000		
Cash in hand	5,600		
Cash at bank	68,000		
Debenture interest	12,000		
	<u>6,97,050</u>		<u>6,97,050</u>

The following further particulars are available:

- (a) Administrative expenses include Tk. 6,000 paid to the managing director, as an advance against his remuneration.
- (b) Sinking fund is to be credited with Tk. 20,000 which together with the interest received would be invested on 1st April, 2012.

- (c) Income-tax assessment for 2010 has been completed on 20th December, 2011 on a gross demand of Tk. 14,000 but no effect has been given in the books.
- (d) At meeting held on 25th February, 2012 the board of directors decided to allot one fully – paid bonus share against two shares held by members who are not in default in payment of calls. This was sanctioned by the members on 18th March, 2012, but no effect has been given to it.
- (e) The managing director is entitled to a remuneration of Tk. 1,530.
- (f) Provision for taxation is to be made @ 40%.
- (g) Out of the total amount due from the customers, Tk. 40,000 has been outstanding for more than six months. All the outstandings are considered good.
- (h) Depreciation may be written off at the rates mentioned below: Building-2 /^{1/2}%, Plant-15%; and Furniture-10%.
- (i) Market value of Sinking fund investments on 31st March, 2012-Tk. 42,000.
- (j) Calls-in-arrears are due on 1,000 shares.

Required:

Prepare the Profit and Loss Account for the your ended 31st March, 2012 and a Balance Sheet as at that date.

2. Following are the Balance Sheet of A Ltd and B Ltd as on March 31, 2019:

Liabilites	A Ltd. Tk.	B Ltd Tk.	Assles	A Ltd Tk.	B Ltd Tk.
Share Capital(Equity shares of Tk. 10 each)	5,00,000	1,00,000	Buildings	2,00,000	1,00,000
General Reserve	2,00,000	60,000	Plant and Machinery	2,30,000	1,00,000
Profit and Losd Account	1,20,000	1,40,000	Investments:8,000 Equityshare in B Ltd.	80,000	-----
Sundry Creditors	80,000	60,000	Others	30,000	10,000
Bills Payable	50,000	20,000	Stock	1,40,000	40,000
			Debtors	1,60,000	40,000
			Bank	1,10,000	90,000
	<u>9,50,000</u>	<u>3,80,000</u>		<u>9,50,000</u>	<u>3,80,000</u>

Additional information:

- (a) A Ltd acquired 8,000 equity shares in B Ltd on 1.4. 2017. On that date. B Ltd had Tk. 40,000 in profit and Loss Account and Tk. 40,000 in General Reserve.
- (b) B Ltd declared on 1.7.2017 10% dividend for 2016-17 and 15% dividend on 1.8.2018 for 2017-18. A Ltd credited its share of both the dividends to Investment in B Ltd Account.
- (c) Further on 1.8.2018 B Ltd declared bonus dividend in the ratio of one for four beld out of balance in General Reserve pm 1.4.2018. Though A Ltd rightly treated its

share of bonus dividend in its books of account, B Ltd has not yet given effect to the bonus dividend in its accounts.

(d) On 1.4.2018 B Ltd purchased plant and machinery for Tk. 60,000 from A Ltd which yielded a profit of 20% on selling price to A Ltd charges 10% depreciation on its Plant and machinery.

(e) The entire bills payable of B Ltd represent bills accepted in favor of A Ltd.

(f) Liability for expenses not given effect in the books of a Ltd. amounts to Tk. 25,000.

Required:

Prepare Consolidated Balance Sheet in the books of A Ltd on 31.3.2019.

3. Negotiation is going on for transfer of X Ltd, on the basis of the Balance sheet and the additional information as given Balance sheet of X Ltd as on 31st March, 2012.

Liabilities	Tk.	Assets	Tk.
Share Capital (Tk. 10 fully paid-up shares)	10,00,000	Goodwill	1,00,000
Reserve and surplus	4,00,000	Land and Building	3,00,000
Sundry Creditors	3,00,000	Plant and Machinery	8,00,000
		Investments	1,00,000
		Stock	2,00,000
		Debtors	1,50,000
		Cash and Bank	50,000
	<u>17,00,000</u>		<u>17,00,000</u>

Profit before tax for 2011-12 amounted to Tk.6,00,000 including Tk.10,000 as interest on investment. However, an Additional amount of Tk.50,000 p.a. shall be required to be spent for smooth running of the business.

Market values of Land and Buildings and plant and Machinery are estimated at Tk. 9,00,000 and Tk. 10,00,000 consideration.

Income tax rate may be taken at 50% Return on capital at the rate of 20% before tax be considered normal for this business at the present stage.

For the purpose of determining the rate of return, profit for this year after the aforesaid adjustment may be taken as expected average profit. Similarly, average trading capital employed is also to be considered on the basis of the position in this year. It has been agreed that four years purchase of super profit shall be taken as the value of goodwill for the purpose of the deal.

Required:

Calculate the value of goodwill of the company.

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Semester: 182 (8th Level-AIS)

Course: Advanced Management Accounting

Deo on: 04 October, 2019

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Questions

1. Square Consumers Ltd. has supplied the following data from its activity-based costing system:

Overhead Costs		
Wages and salaries.....	Tk.	300,000
Other overhead costs.....		<u>100,000</u>
Total overhead costs.....		<u>400,000</u>
<u>Activity Cost Pool</u>	<u>Activity Measure</u>	<u>Total Activity for the Year</u>
Supporting direct labor.....	Number of direct labor-hours	20,000 DLHs
Order processing	Number of customer orders	400 orders
Customer support.....	Number of customers	200 customers
Other	This is an organization sustaining activity	Not applicable

Distribution of resource consumption across activities

	<u>Supporting</u> <u>Direct</u> <u>Labor</u>	<u>Order</u> <u>Processing</u>	<u>Customer</u> <u>Support</u>	<u>Other</u>	<u>Other</u>
Wages and salaries	40%	30%	20%	10%	100%
Other overhead costs	30%	10%	20%	40%	100%

During the year, Square Consumers Ltd completed one order for a new customer, Beximco Ltd. This customer did not order any other products during the year. Data concerning that order follow:

Data concerning the Beximco Ltd. Order:

Units ordered	10 units
Direct labor-hours	2 DLHs per unit
Selling price	Tk.300 per unit
Direct materials	Tk.180 per unit
Direct labor	Tk.50 per unit

Required:

1. Prepare a report showing the first-stage allocations of overhead costs to the activity cost pools.
 2. Compute the activity rates for the activity cost pools.
 3. Calculate the total overhead costs for the order from Beximco Ltd. including customer support costs.
 4. Calculate the customer margin for Beximco Ltd.
2. Akash Bari Tours operates day tours of river Meghna Estuary in Chandpur on its tour boat the MV Sonar Tori. Management has identified two cost drivers—the number of cruises and the number of passengers—that it uses in its budgeting and performance reports. The company publishes a schedule of day cruises that it may supplement with special sailings if there is sufficient demand. Up to 80 passengers can be accommodated on the tour boat. Data concerning the company’s cost formulas appear below:

	<u>Fixed Cost per</u> <u>Month</u>	<u>Cost per</u> <u>Cruise</u>	<u>Cost per</u> <u>Passenger</u>
Vessel operating costs	Tk. 5,200	Tk. 480.00	Tk. 2.00
Advertising	Tk. 1,700		
Administrative costs	Tk. 4,300	Tk. 24.00	Tk.1.00
Insurance	Tk. 2,900		

For example, vessel operating costs should be Tk.5,200 per month plus Tk.480 per cruise plus Tk.2 per passenger. The company’s sales should average Tk.25 per passenger. In July, the company provided 24 cruises for a total of 1,400 passengers.

Required:

Prepare the company’s flexible budget for July.

3. Selected sales and operating data for three divisions of different structural engineering firms are given as follows:

	Division A	Division B	Division C
Sales	Tk.12,000,000	Tk.14,000,000	Tk.25,000,000
Average operating assets	Tk. 3,000,000	Tk.7,000,000	Tk.5,000,000
Net operating income	Tk. 600,000	Tk.560,000	Tk.800,000
Minimum required rate of return	14%	10%	16%

Required:

- i. Compute the return on investment (ROI) for each division using the formula stated in terms of margin and turnover.
- ii. Compute the residual income for each division.
- iii. Assume that each division is presented with an investment opportunity that would yield a 15% rate of return.
 - a. If performance is being measured by ROI, which division or divisions will probably accept the opportunity? Reject? Why?
 - b. If performance is being measured by residual income, which division or divisions will probably accept the opportunity? Reject? Why?

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Questions

1. Ramna Food produces three products—A, B, and C. Data concerning the three products follow (per unit):

	Product		
	A	B	C
Selling price	Tk. 80	Tk. 56	Tk. 70
Variable expenses:			
Direct materials	24	15	9
Other variable expenses	24	27	40
Total Variable Expenses	48	42	49
Contribution margin	32	14	21
Contribution margin ratio	40%	25%	30%

The company estimates that it can sell 800 units of each product per month. The same raw material is used in each product. The material costs Tk.3 per kg with a maximum of 5,000 kg available each month.

Required:

1. Calculate the contribution margin per kg of the constraining resource for each product.
 2. Which orders would you advise the company to accept first, those for A, B, or C? Which orders second? Third?
 3. What is the maximum contribution margin that the company can earn per month if it makes optimal use of its 5,000 kg of materials?
2. Alif Company wants to use absorption cost-plus pricing to set the selling price on a new product. The company plans to invest Tk. 200,000 in operating assets to produce and sell 16,000 units. Its required return on investment (ROI) in its operating assets is 18%. The accounting department has provided cost estimates for the new product as shown below:

	Per Unit	Total
Direct materials	Tk.7	
Direct labor	Tk. 5	
Variable manufacturing overhead	Tk. 2	
Fixed manufacturing overhead		Tk.116,000
Variable selling and administrative expenses	Tk. 1	
Fixed selling and administrative expenses		Tk.50,000

Required:

- i. What is the unit product cost for the new product?
- ii. What is the markup percentage on absorption cost for the new product?
- iii. What selling price would the company establish for its new product using a markup percentage on absorption cost? (Round your answer to the nearest Taka)

3. Saleh Company makes two products and uses a traditional costing system in which a single plant wide predetermined overhead rate is computed based on direct labor-hours. Data for the two products for the upcoming year follow:

	<u>A</u>	<u>B</u>
Direct materials cost per unit	Tk. 13.00	Tk. 22.00
Direct labor cost per unit	Tk. 6.00	Tk. 3.00
Direct labor-hours per unit	0.40	0.20
Number of units produced	20,000	80,000

These products are customized to some degree for specific customers.

Required:

- (i) The company's manufacturing overhead costs for the year are expected to be Tk.567,000. Using the company's traditional costing system; compute the unit product costs for the two products.
- (ii) Management is considering an activity-based costing system in which half of the overhead would continue to be allocated on the basis of direct labor-hours and half would be allocated on the basis of engineering design time. This time is expected to distribute as follows during the upcoming year:

	<u>A</u>	<u>B</u>	<u>Total</u>
Engineering design time (in hours)	3,000	3,000	6,000

- (iii) Compute the unit product cost for the two products using the proposed ABC system.
- (iv) Explain why the product costs differ between the two systems.

Bangladesh Open University

BBA Program

Semester: 182 (8th Level-AIS)**Course Title: Corporate Financial Reporting****Due on: 04 October, 2019****Instructions**

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Questions

1. (a) Why is corporate financial reporting important? Briefly explain.
(b) Mention major generally accepted accounting principles.
(c) What is the main theme of accrual accounting? Briefly explain the components of accounting equation with examples.
2. (a) What do you mean by operating cycle?
(b) Differentiate between the cash basis and accrual basis accounting.
(c) What is balance sheet and why is it prepared? Prepare a consolidated balance sheet showing assets only with imaginary figures.
3. (a) Define segment reporting.
(b) Mention the advantage of segments.
(c) Describe the guidelines for preparing interim financial reports.
4. (a) XYZ Corporation owns machinery that cost \$ 20,000 when purchased on January 1, 200. Depreciation has been recorded at a rate of \$3,000 per year, resulting in a balance in accumulated depreciation of \$ 9,000 at December 31, 2003. The machinery is sold on September 1, 2004 for \$ 10,500. Prepare Journal entries to (a) update depreciation for 2004 and (b) record the sale.

(b) Apex Corporation was organized on January 3, 2017, subsequent to the sale of capital stock for Tk. 60,000 cash. Shortly thereafter, the following transactions occurred:

- (i) Acquired Tk. 600 on office supplies on credit from the Acme Office Supply Company.
- (ii) Purchased an office building for Tk. 1, 50,000 Paying Tk. 22500 in cash and financing Tk. 127,500 at 10% interest with the National Bank Ltd. The building would be depreciated over 30 years on a straight line basis.
- (iii) Purchased office equipment at a cost of Tk. 25,000 from the Partex furniture.
- (iv) Received Tk. 8,000 in cash for services rendered to new customers.
- (v) Received an invoice for Tk. 240 for advertising.

Bangladesh Open University
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 Semester: 182 (8th Level-AIS)

Course Title: Corporate Financial Reporting

Due on: 08 November, 2019

1. (a) Define classified balance sheet? Discuss the elements and limitations of balance sheet.
 (b) Mention the characteristic of intangible assets.
 (c) What do you mean by natural resources? What are the different types of cost involved to these types of resources?
2. (a) Explain the term “Revenue”. Differentiate between Points of sales Installment methods of revenue recognition.
 (b) How can an auditor investigate and detect frauds? Explain different types of fraudulent financial reporting with examples.
 (c) Earthworm Jim Corporation has capitalized Software costs of \$7, 00,000 and sale of this product the first year totaled \$4, 20,000. Earthworm Jim anticipates earning \$9, 80,000 in additional future revenues from this product, which is estimated to have an economic life of 4 years. Compute the amount of software cost amortization for the first year.
3. The Oliver Company sells tropical radios treated with a special condensation inhabiting paint. The company uses LIFO for inventory accounting. The paint inventory on January 1, 2007, consisted of 3,000 gallons costed at Tk.45 per gallon. Purchases and ending inventories in the subsequent years were as follows:

<u>Year</u>	<u>Average Purchase Price per Gallon</u>	<u>Cost of Gallon Purchased</u>	<u>Dec. 31 Inventory</u>
2007	Tk. 50	Tk. 384,000	3600 gallons
2008	51	352,000	2600
2009	52	448,000	4000

Because of temporary scarcities, the paint is expected to cost Tk.62 per gallon in the year 2010. Sales for 2010 are expected to require 7,000 gallons of paint. The purchasing agent suggests that the inventory be allowed to decrease to 600 gallon by the end of 2010 and be replenished to 4,000 gallons in early 2011. The controller argues that such a policy is foolish, if inventories are allowed to decrease, the company will pay a very large amount in income taxes (as its current income-tax rate of 40 percent). Instead, she suggests that the company maintain a year 2010 ending inventory of 4,000 gallon.

Required:

- (i) Calculate the cost of goods sold and the taka value of ending inventory for the year 2010, assuming the purchasing agent’s advice is followed and the controller’s advice is followed.
- (ii) Calculate the tax savings for the year 2010 if the controllers advice is followed rather than the purchasing agents.
- (iii) If you were making the decision what other information might you consider in choosing whose advice to follow?

Bangladesh Open University**BBA Program****Semester: 182 (8th Level- AIS, Finance, HRM, Marketing)****Course Title: Business Research Methods****Due on; 04 October, 2019****Instructions**

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Questions

1. a. What is business research? Why it is important?
b. Distinguish among the terms information, data, and intelligence.
c. Mention the difference between research concepts and research constructs.

2. a. Distinguish among propositions, variables, and hypotheses.
b. Describe the stages of a research process.
c. Mention briefly the ethical issues concerned with business research.

3. a. Explain the process of defining a research problem. Why it is important to start with a good problem definition?
b. What is qualitative research? How it is different from quantitative research?
c. Describe the techniques used in a qualitative research.

Bangladesh Open University**BBA Program****Semester: 182 (8th Level- AIS, Finance, HRM, Marketing)****Course Title: Business Research Methods****Due on: 08 November, 2019****Instructions**

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Questions

1. a. What are the types of data? Mention the methods of collecting data.
b. What are the types of survey research? How to design an appropriate survey research?
c. What is pre-testing? Why it is important in survey research?
2. a. What are the levels of scale measurement? Mention the criteria for good measurement.
b. Mention the techniques for measuring attitudes.
c. Describe the guidelines for constructing a good questionnaire.
3. a. What is sampling? How it is different from census?
b. Distinguish between probability sampling and non-probability sampling.
c. Describe the factors to be considered for an appropriate sample design.
4. a. What is sampling distribution? Mention the types of sampling distribution.
b. What is regression equation? In what kind of analysis, regression equation is used?
c. What is ANOVA? When it is used?