

Course No: Hum 2217  
Full Marks: 72

Course Title: Industrial Management & Accountancy  
Time: 3 Hours

- N.B.** (i) Answer any **SIX** questions taking **THREE** from each section.  
(ii) Figures in the margin indicate full marks.  
(iii) The questions are of equal value  
(iv) Use separate answer script for each section

### Section - A

- Q1 (a) Define management and state its functions. 05  
(b) Discuss the principles of management. 04  
(c) Identify the basic managerial skills they need to be successful. 03
- Q2 (a) What is employee motivation? Why is it important? Identify the non-financial means you will ensure to motivate your employees. 05  
(b) State the need hierarchy theory of motivation developed by Maslow. If you want to apply this theory in practice, where to focus? 07
- Q3 (a) What do you mean by performance appraisal? State different methods of appraising employee performance. 04  
(b) Discuss potential rating scale appraisal problems. How to avoid them? 04  
(c) What is training? State on-the job training methods. 04
- Q4 (a) What is inventory control? What are the costs associated with holding too high level inventory? Discuss. 03  
(b) What is EOQ and Re-order point? 02  
(c) A company begins a review of ordering policies for its continuous review systems by checking the current policies for a sample of items. Following are the characteristics of one item. 07  
Demand = 64 units/week, Ordering and setup costs Tk 50/order, Holding costs = Tk 13/unit/year, lead time = 2 weeks. Standard deviation of weekly demand = 12 units. Cycle service level 92 percent (corresponds to Z-value 1.42).

Required:

- (i) What is EOQ for the item?  
(ii) What is the desired safety stock?  
(iii) What is the re-order point?  
(iv) If on-hand inventory is 40 units, there is an order equal to EOQ and there is 20 units back order, is it time to re-order?  
(v) What are the cost implications if the current policy for this time is  $Q=280$  units and  $ROP = 200$  units?

### Section B

- Q5 (a) Define accounting and state its objectives. 03  
(b) What do you mean by business entity? 03  
(c) What is transaction? State its characteristics. 03  
(d) Define the terms Debit and Credit with examples. 03
- Q6 (a) Give Journal entries from the following transaction. 06

2017 Jan 1 Purchased goods for cash Tk 200000.  
2017 Jan 3 Purchased a machine for cash Tk 100000 from M/S Ratan traders.  
2017 Jan 5 sold goods to M/S Rajib & Sons Tk 300000.  
2017 Jan 10 Salary paid Tk 20000.  
2017 Jan 12 Goods return to M/S Rabbi Tk 2000.  
2017 Jan 15 Interest received Tk 1000.

- (b) What is meant by cost statement? Prepare a cost statement from the following data of M/S Sumi & Sons: 06

Inventories (Stock)	At the beginning (1-1-2016)	At the end (31-12-2016)
Raw Materials	25000	15000
Finished goods	40000	30000

Direct material (Raw material) Purchased Tk 280000.

Direct Labour Tk 300000.

Factory overhead 60% of direct labor

Administrative expenses Tk 30000.

Selling expenses Tk 20000.

Profit 30% of total cost of goods sold.

- Q7 (a) Define (i) Break Even point (ii) Margin of Safety (iii) CM Ratio 04

- (b) The following cost data are obtained from the cost record of a manufacturing company: 08

Sales 5000 units @ Tk 200 per unit.

CM Ratio 40%, Fixed cost Tk 100000.

Required:

- Calculate Break Even point.
- What would be the BEP if the sale price is increased by 10%.
- What would be the profit if sale are 6000 units.
- Calculate amount of margin of safety.
- Draw a Break Even chart.
- What would be the BEP if variable cost is increased by 20%.

- Q8 (a) From the following trial Balance prepare a trading account, profit & loss account and a Balance sheet for the year ended 31<sup>st</sup> December 2016. 12

Dr.		Cr.	
Particulars	Amount (Tk)	Particulars	Amount (Tk)
Drawings	3000	Bank over Draft	15000
Furniture	30000	S/Creditors	15000
Building	80000	Discount	2000
Wages	5000	Purchase Return	4000
Stock (1-1-16)	15000	Interest	2000
Cash at Bank	5000	Sales	200000
Purchase	115500	Capital	100000
Rent	4000		
Sales Return	2000		
Insurance	2500		
Salaries	5000		
Commission	2000		
Carriage in	3000		
Bad debts	1000		
Investment	50000		
Import duty	15000		
<b>Total</b>	<b>338000</b>	<b>Total</b>	<b>338000</b>

Adjustments:

- Closing stock was valued at Tk 35500.
- Salaries outstanding Tk 3000 and rent prepaid Tk 1000.
- Depreciate Furniture by 15% and building by 10%.
- Interest on investment due Tk 500.