Final Examination Spring-2018   Program: B.Sc. Engg. (EEE)
Course Code: MGT-3601   Course Title: Industrial Management
Time: 2 hours 30 minutes   Full Marks: 50

Figures in the right margin indicate full marks.

Part A
[Answer any **two** questions from the followings]

1(a)	What is Controlling and Why it is Important?	3
1(b)	Show that Budget is an instrument of Managerial Control.	3
1(c)	Make a list of measuring Actual Performance technic with benefits and drawbacks.	4
2(a)	Write short note on: i) Style and Fashion. ii). 4Ps of Marketing.	2
2(b)	Classify Marketing. Point out the entities that create scope of marketing.	4
2(c)	How profit and sales change with time? Describe different stages of PLC.	4
3(a)	What are the limitations of budget?	2
3(b)	Make a plane to promote sales as a marketing Manager.	4
3(c)	What is Exchange? You have an iPhone and you want to exchange with your friend. What are the conditions you should maintain for Exchanging?	4

Part B
[Answer any **three** questions from the followings.]

4(a)	Discuss briefly the provisions of the Factories Act, 1965 relating to the health of the Workers.	5
4(b)	"All Contracts are Agreement but all agreements are not contract"- explain the statement according to the elements of contract.	5
5(a)	Write short note on: i). Dependent. ii). Workman. iii). Wage. iv). Factory.	4
5(b)	What is mean by Capacity of contract?	2
5(c)	What is operation management? Describe five P's of operation management.	4
6(a)	Define TQM. What are the objectives of TQM?	2
6(b)	As a Bangladeshi Company how could you recognized ISO-9000?	3
6(c)	You are supplied with the following information of a manufacturing Co.	5

Sample No.	Sample Size=5				
1	30	32	28	35	33
2	26	40	29	34	30
3	28	27	36	38	32
4	40	42	35	25	30
5	20	28	36	35	38
6	40	38	36	37	39

Assume A_2 =0.58, D_3=0 and D4=2.11. Calculate UCL, CL & LCL for X chart and R chart.

7(a)	Product Layout is the Firstar Production process layout- Justify your answer with the characteristic of Product Layout.	3
7(b)	A company is setting up an assembly line to produce 195 units per eight-hour Shift. The following table identifies the work elements, time and immediate-predecessors.	7

Task	A	B	C	D	E	F	G	H	I	J
Imm. predecessor	None	A	D,E.F	B	B	B	A	G	H	C,I
Task time (sec)	40	80	30	25	20	15	120	148	130	115

i) Determine desired cycle time..ii) Determine Theoretical Minimum Number of stations.
iv). Draw precedence diagram and Show your balance. vi) Compute Efficiency & balance delay.