FACULTY OF ENGINEERING

B.E. 4/4 (ECE) I – Semester (Main) Examination, Nov. / Dec. 2012

Subject : Industrial Administration and Financial Management

Time : 3 hours

Max. Marks: 75

Note: Answer all questions from Part-A. Answer any FIVE questions from Part-B.

PART – A (25 Marks)

- 1. What is Partnership Deed? Write types of partners.
- 2. Differentiate between share and debenture.
- 3. State the criteria for selection of a "New Job" under 'Select' of method study.
- 4. Explain Bedaux wage incentive plan.
- 5. State the objectives of inspection.
- 6. What are the principles of SQC?
- 7. Differentiate between CPM and PERT.
- 8. What are the duties of a purchase manager?
- 9. State the assumptions in break even analysis.
- 10. Explain nature of Financial Management.

PART – B (50 Marks)

- 11.a) State the important factors considered to establish "Hi-Tech city" in Hyderabad.
 - b) Discuss various types of plant layout.
- 12.a) State the principles of motion economy related to workplace arrangement.
 - b) Calculate stand time for the following :

 - i) Observed time : 12 minii) Performance rating factor : 140%
 - iii) Personal allowance : 5%
 - iv) Contingency allowance : 2% of observed time.
- 13.a) Explain the importance of quality circles.

b) The solidification time of 14 samples, each of size four. Draw \overline{x} & R charts and comment on the results.

Sample	1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.														
\overline{X}	28.25	29.12	30.9	32.9	31.56	30.12	31.8	28.2	30.5	30.4	29.23	31.3	30.5	29.51
R	2.6	5.18	4.2	8.54	5.45	6.77	9.85	6.1	4.0	5.67	2.85	11.10	3.39	6.8

14. Draw the network for the following project and compute the critical path time and total float on each activity. (10)

Activity	Α	В	С	D	E	F	G	Н	I
Duration (days)	5	4	6	2	1	7	8	4	3
Immediate predecessor	-	-	A	В	С	C,D	E	F	G,H

- 15.a) Explain how do you fix selling price of a product.
 - b) The following table gives information regarding the two mutually exclusive projects X and Y.

Period	Net cash flows from project X	Net cash flows from project Y
0	-700	-700
1	450	410
2	450	410
3	300	250

- i) Compute the NPV at 10% discount rate
- ii) Compute I.R.R.
- 16.a) Explain the importance of job evaluation and performance appraisal for a service organisation.
 - b) Derive formular for simple EOQ and state its assumptions.
- 17. Write short notes :
 - i) Financial management importance
 - ii) Quality circles
 - iii) Recording Techniques

(4)

(6)