Answer any five questions
All questions carry equal marks
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1.a) Briefly explain your understanding of corporate social responsibility.
 b) What are the implications of Herzberg's two factor theory of motivation?   [8+7]

2.a) Distinguish between Democratic style of leadership and Laissez Faire style of leadership.
 b) What do you understand by inverted pyramid organization structure?   [8+7]

3.a) What is a team? What are the benefits of team structure organization?
 b) Explain the difference between line and staff authority.   [8+7]

4.a) With examples, illustrate the nature of mass production system and distinguish it from batch production system.
 b) What are the advantages and disadvantages of rural sites for location of plants?   [8+7]

5.a) How can value analysis help an organization becoming competitive?
 b) Explain the basic procedure of method study and work measurement.   [7+8]

6.a) A time study was conducted on a job consisting of three elements. The stopwatch readings of the first five cycles using cumulative timing method are given below:

Element	Stopwatch readings in hundredth of a minute				
	1	2	3	4	5
A	10	73	139	203	266
B	25	88	155	218	280
C	64	128	193	257	320

The rating factors were estimated at 80, 100, and 110 for the three elements respectively (on the rating scale 100 corresponding to normal performance). The allowance for personal needs, rest etc. amount to 12%. Calculate the standard time for the job.
 b) What are OC curves?   [10+5]

7.a) What is inspection by variables? What is inspection by attributes? What are the control charts used for these?
 b) What is factor comparison method of job evaluation? What are the steps involved?   [7+8]

8. The following data pertains to a project network.

Activity	Normal duration in weeks	Normal cost in Rs.	Crash duration in weeks	Crash cost in Rs.
1--2	4	8000	3	15,500
1--3	8	5000	5	9,500
2--3	6	7000	4	9,000
2--4	9	9000	7	16,000
3--4	5	6000	3	12,000

The indirect cost of the project is Rs.3000 per week. Determine the optimum cost and the optimum duration of the project. Also draw the least cost network. [15]

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