COURSE CODE: 10B11PD611   MAX. MARKS: 25

COURSE NAME: PROJECT MANAGEMENT

COURSE CREDITS: 3   MAX. TIME: 1.5 hrs

Note: All questions are compulsory .and carry equal marks. Carrying of mobile phone during examinations will be treated as case of unfair means.

1. What do you think may be the purpose of a work breakdown structure? (3 marks)
2. Which effective leadership skills are needed over the project lifecycle? (5 marks)
3. Differentiate between: (5 marks)
   a. Risk and Uncertainty
   b. Turnkey Project and Managed Project
4. Find the optimal strategies for the players and the value of the game. (5 marks)

Strategies	Player Y			
Player X	Y1	Y2	Y3	Y4
X1	-5	16	13	15
X2	20	-5	60	-70
X3	-5	9	12	10
X4	-20	-2	50	-80

5. The automobile company manufactures around 150 scooters. The daily production varies from 146 to 154 depending upon the availability of raw materials and other working conditions: (7 marks)

Production per day	Probability
146	0.04
147	0.09
148	0.12
149	0.14
150	0.11
151	0.1
152	0.2
153	0.12
154	0.08

The finished scooters are transported in a specially arranged lorry accommodating 150 scooters. Using the random numbers 80, 81, 76, 75, 64, 43, 18, 26, 10, 12, 65, 68, 69, 61, 57, simulate the process to find out:

i. What will be the average number of scooters waiting in the factory?

ii. What will be the average number of empty space on the lorry?