

AJAY KUMAR GARG ENGINEERING COLLEGE, GHAZIABAD
DEPARTMENT OF MECHANICAL ENGINEERING
SESSIONAL TEST- II

Course : B.Tech
 Session: 2017-18
 Subject: Project Management
 Max. Marks : 50

Semester : VII
 Section : ME- 1,2,3
 Subject Code : NME-032
 Time : 2 hrs.

Note: All questions are compulsory.

Section – A

A. Attempt all parts.

5×2 =10

1. What is a matrix structure of organization?
2. State the objectives of social cost benefit analysis.
3. Name the various kinds of project risks.
4. What do you understand by earnest money deposit (EMD)?
5. What do you mean by project appraisal?

Section – B

B. Attempt all parts.

5×5 =25

6. Compare and contrast functional structure and project organization structure with suitable diagrams.
7. Enlist and explain the components of capital cost.
8. Describe various forecasting techniques involving in predicting the demand for product in commercial appraisal.
9. List out various types of contract. Explain in brief.
10. Discuss in brief about technical appraisal, economic appraisal, financial appraisal and managerial appraisal.

Section – C

C. Attempt all parts.

2×7.5 =15

11. Describe briefly various techniques of project risk analysis.
12. It is observed that the demand for *Nike Training Shoe (Dual Fusion TR5)* varies in a random fashion. The demand per day is observed to have the following probability.

Demand per day (pairs/day)	100	112	89	90	175
Probability	0.20	0.22	0.14	0.34	0.10

Simulate the demand for the ensuing 20 days using Monte Carlo simulation technique.

*****End*****

Two Digit Random Number Table

29	64	52	40	93	67	36	17	51	26	68	28	27	69	02
59	34	15	12	33	60	96	89	72	36	80	50	29	38	57
21	03	36	82	84	73	01	80	81	19	80	47	66	07	49
10	12	99	65	70	51	19	81	06	30	79	33	89	75	22
31	39	86	74	95	00	84	48	26	87	65	60	20	02	64
30	23	28	92	23	28	01	56	78	66	77	09	74	47	03
57	89	82	47	80	19	84	36	97	22	04	58	24	67	84
73	82	03	60	75	76	19	56	26	71	75	02	74	06	03
40	92	47	01	60	05	69	79	09	66	77	69	45	18	93
99	17	22	62	70	28	31	07	68	22	46	30	23	76	33
54	40	80	28	20	40	68	59	42	22	29	54	56	36	04