

CSM : 15

**MANAGEMENT
PAPER - II**

Time Allowed : 3 hours

Full Marks : 100

Marks for each question is indicated against it.

Attempt any 5 (five) questions taking not more than 3 (three) questions from each Part.

PART A

1. What is correlation? Explain different types of correlation. Calculate Karl Pearson's coefficient of correlation for the following data. **(3+7+10=20)**

Year	R&D Expenses (X) (Rs. in thousands)	Annual Profit (Y) (Rs. in thousand)
1988	9	45
1987	7	42
1986	5	41
1985	10	60
1984	4	30
1983	5	34
1982	3	25
1981	2	20

2. (a) What is the role of Operation Research in improving productivity? Explain.
(b) "Linear Programming is one of the most frequently and successfully used OR technique to managerial and business decisions". Elucidate. **(6+14=20)**
3. Define the term 'Plant Layout'. Explain the factors influencing Plant Layout and discuss the various types of Plan Layout. **(4+8+8=20)**
4. Discuss the concept of quality, its dimensions and relevance in productivity efficiency. **(4+6+10=20)**

PART B

5. (a) Discuss the various components of DBMS. What functions are performed by each of these components? **(10)**
(b) Define Decision Support System. Explain the characteristics of a DSS. **(10)**
6. What is the Consumer Protection Act? Discuss the role of voluntary organisations in protecting consumer rights. **(10+10=20)**
7. Discuss the following concepts in the light of strategic formulation with suitable examples. **(10+10=20)**
(a) Environmental Analysis (b) Internal Analysis
8. Critically examine the main features of the Foreign Trade Policy 2015-2020. **(20)**

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