B.Prod E 4th Year 1st Semester (Supplementary) Examination 2024

Ref. No: Ex/PROD/PC/B/T/413/2024(S)

Subject: Plant and Maintenance Engineering

Time: 3 Hours   Marks:100

Answer any five questions

1. Discuss at least three models for solving plant location problems with examples. (20)
2. Expound line balancing problem with a suitable example. (20)

3. Elucidate the different models of Techno-Economic life of plant and equipment. (20)

4. Show the general expression of the reliability function of an equipment. (20)

5. Explain fault tree analysis with an example known to you during your internship program. (20)

6. Write short notes on any two: (10+10=20)

a) Bath tub curve

b) Cut set

c) KAIZEN

d) Maintenance analytics