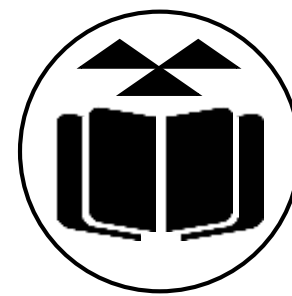


Applied Mathematics Syllabus

2 ND Semester Diploma Engineering All Branches



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Units (Total Marks 70)

1) Differential calculus (24 Mark)

- a) Functions and Limits
- b) Derivatives
- c) Applications of derivative

2) Integral calculus (16 Mark)

3) Applications of Definite Integration (8 Mark)

- a) Definite Integration
- b) Applications of Definite integration

4) Differential Equations (8 Mark)

5) Electrical Group (14 Mark)

- a) Complex numbers and Laplace transform

5) Mechanical Group (14 Mark)

- a) Probability distribution.

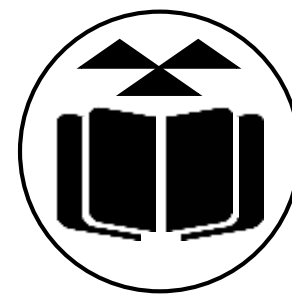
5) Civil Group (14 Mark)

- a) Numerical integration



Applied Mathematics Exam

2 ND Semester Diploma Engineering All Branches



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Question Paper Pattern

Que. 1. Attempt any Five (10 Mark)

Que. 2. Attempt any Three (12 Mark)

Que. 3. Attempt any Three (12 Mark)

Que. 4. Attempt any Three (12 Mark)

Que. 5. Attempt any Two (12 Mark)

Que. 6. Attempt any Two (12 Mark)

