ENDSEMS.
Maths
DE
-> Ovrder & Degree
Variable Seperation
- Homogeneous DE
- Reducible to Homo geneous
Exact DE
Reducing to Exact
Inspection method
- Bernoullis DE
tinear DE (higher oveder)
- Sol of Non-homogeneous DE
(5 cases)
to laibnitz oull
-> Variation of parameter (Work Wronsleien)
- Cauchy DE
Legandre'SDE
- Simultaneous DE

2) Numerical methods: -> V, C -> shift operator NF DIF / NBDIF -> Lagrange's Interpolation -> Divided Diff -> Difforentiation -> IVT, Bisection method -> Regular Falsi N-R wether -> Numrical Integration -> Non Linear Simultaneous eq (N-2-m) Taylor Series method -> Eulous method + E-modified -> Runger Kutta 3) Matuix Algebra - Delementary Row operation -> Rame of a matorix - Payleigh Manuel -> Enchelon forms -> Gauss- Jourdan cy -> Gauss - Jacobi method - Gairs - Siedel -> Eigen values + vectours

1) Linear Algebora

7 Interference 27 Differencion 3> Quantum Phy 47 Quantum Mech 5> Atomic Phy 6> Molecules & Solids.

MOS

- 17 Resultant & Equilibrium

Contrarid & MOI

3) Storess & Strain

4) Statistically Intereminate Purob

5) Thurmal Storess

Storess.

7 Fluid Poressure Stores. 2 77 BMSD.

BE:

1) Analog: Diode & app.

· 00 amps

2) Digital: "Numerical Codes & Systems · Boolean

· Logic Gales

· Flip Flops & app.

- · Analig (on
- · Digital
- · Communication networks
- · Mobile Communications

BME

y Potep Steam & Boilers

2) Poume Movers

37 Power Plant

4) IC Engine

5) Refrigoration

67 Lubrication

a) Toransmission

87 Machine Tools

ay Casting & Forging

107 Welding & Soldering.