
2. STEAM POWER ENGINEERING: Carnot, Rankine, Modified Rankine, Reheat and Regenerative cycles. Classification and working of various low pressure and high pressure boilers. Boiler accessories and mountings. Safety standards as per IBR code. Steam Turbines: impulse and reaction turbines, velocity diagrams and thermodynamic analysis. Compounding and governing of turbines.


5. STRENGTH OF MATERIALS: Stress and strain, Thermal stresses, Elastic constants, Shear force and bending moment diagrams, Principal planes and stresses, Mohr’s circle, Theories of failures, Shear and bending stresses, Deflection of beams, Torsion of shafts, Columns and struts, Strain Energy.


7. THEORY OF MACHINES: Kinematics Links, pairs, chains and mechanisms. Inversions of four bar, single and double slider crank chains. Straight line and steering gear mechanisms, Gear and gear trains. Belt, rope and chain drive. Clutches and brakes. Cams and followers. Flywheel and


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Pattern of Question Papers:

1. Objective Type Paper
2. Maximum Marks : 100
3. Number of Questions : 100
4. Duration of Paper : Two Hours
5. All Questions carry equal marks
6. There will be Negative Marking

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