Imp

BME [GTU]

Date: / /
Page No.

[Ch = 1]

- → Definition of prime movers. (1)
- → Tyes of prim movers. (1)
- → All Definition of Ch = 1
- → 0, 1, 2 Law of Thermodynamics (12, 13)
- → Thermodynamic system & properties (14, 15)

[Ch = 2]

- → Solid fuels (30)
- → Advantages & disadvantages of of gas fuels (33)
- → LPG & CNG (34)
- → Solar & wind Energy (36)
- → Global warming (39)

[Ch = 3]

- → Combined Gas Law (47)
- Imp → C_p & C_V (Mayer's equation) (50)
- → Adiabatic process (57)
- Imp → Law of Adiabatic process (58)
- → Examples of ch. = 3

↑ (Or) ↓

[Ch = 4]

- → Steam formation (with T-S diagram) (108)
- → calorimeters :- (i) Bucket, (ii) Throttling (117, 119)
- → Example of ch. = 4

(Ch = 5)

- Imp → cycle & efficiency :- Carnot, Rankine, otto, Diesel
- Imp → Example of Carnot cycle

Date: / /
Page No.

Ch = 6

→ Boiler :- Babcock & wilcox, Cochran (212, 209)
→ Boiler mountings and accessories (215, 224)
→ Fusible plug (220)
→ Superheater, Air preheater (228, 231)

Ch = 7

→ I.C. Engine Terminology (243)
→ Otto four stroke cycle (245)
→ Diesel four stroke cycle (247)
→ Difference between S.I./C.I. (249)
→ Two stroke cycle Engines (250)
Type → Example :- (268) → 7.11, (269) → 7.12, (265) → 7.8

Ch = 8 (Figure impotante)

→ operation of Single & Double acting reciprocating pump (282, 283)
→ Centrifugal pumps (286)
→ Vane pump (295)

Ch = 9

→ Multistage reciprocating compressors (313)
→ Centrifugal compressors (314)
→ Axial flow compressors (315)
→ Comparison between Reciprocating and Rotodynamic compressors (320)

Date / /
Page No

Ch = 10

Ch = 11

Ch = 12

Ch = 13