SSIT POLYTECHNIC, KALAKAD, MAYURBHANJ

4th SEMESTER INTERNAL EXAMINATION 2023-2024 (SUMMER)

SUB: THERMAL ENGINEERING - II BRANCH: - MECHANICAL ENGG. / ME I I

FULLMARK-20

3

TIME-1 HOUR

1. Answer any five Questions.

2x5

- (a) What is volumetric efficiency?
- (b) What is brake thermal efficiency?
- (c) Define swept volume?
- (d) Write about latent heat of vaporization?
- (e) What is boiler mountings and what they are?
- (f) Define dryness of fraction?

2. Answer any Two Questions.

5x2

- Write the working principle of single stage reciprocating (a) air compressor with neat diagram.
- What are difference feature between a water tube and fire (b) tube boiler?
- Explain with a neat sketch the working of Cochran boiler? (c)