MAR ATHANASIUS COLLEGE OF ENGINEERING, KOTHAMANGALAM – 686 666.

(Govt. Aided Autonomous institution)

DEPARTMENT OF MECHANICAL ENGINEERING

FIRST SESSIONAL EXAMINATION, MARCH 2026
S2 ELECTRICAL – A & B BATCH

B24ES1T05A BASIC MECHANICAL ENGINEERING

Time – 45 Minutes **Max: 20 Marks**

PART-A

Answer All Questions.

1	Briefly explain working of CRDI engines.	**CO 4**	**4 Marks**
2	Briefly explain working of Pelton turbine.	**CO 4**	**4 Marks**

PART - B

Answer All Questions.

3	a) With neat sketches explain the working of 4-stroke petrol engine.	**CO 4**	**8 Marks**
	b) With neat sketch explain the working of centrifugal pump.	**CO4**	**4 Marks**

Vision

Mentoring to Ensure Excellence

Mission

- To Facilitate comprehensive and integrated devlopement of students by providing quality education that encourages sustainable practices
- To mould disciplined and socailly committed engineers capable of assuming professional leadership upholding national integrity.