



DIPLOMA IN PRODUCTION ENGINEERING

CENTRALIZED QUESTION BANK

**1025234540 - THERMAL ENGINEERING AND
AUTOMOBILE TECHNOLOGY**

**DIRECTORATE OF TECHNICAL
EDUCATION GOVERNMENT OF
TAMILNADU**

DIPLOMA END SEMESTER / YEAR EXAMINATION – APRIL 2025

Course: Production Engineering

Subject : Thermal Engineering and Automobile Technology

QP Code : 1025234540

Time : 3 Hours

Date :

Session:

Max Marks:100

Answer The Following Questions

- 1 Draw a port timing diagram of two stroke petrol/diesel engine
- 2 Draw a valve timing diagram of four stroke petrol engine
- 3 Draw a valve timing diagram of four stroke diesel engine
- 4 Conduct the performance test on Petrol / Diesel engine and draw the performance curves.
- 5 Conduct a Morse test on multi cylinder Petrol engine/Diesel engine.
- 6 Dismantle and assemble the two stroke or four stroke IC engine cylinder assembly.
- 7 Remove, service and replace the given fuel pump or oil pump or waterPump.
- 8 Dismantle, service and assemblethegiven SOLEX or SU type carburetor.
- 9 Dismantle and assemble the given fuel injector and also explain the componentsin CRDI/MPFI.
- 10 Find the Coefficient of Performance of Vapour Compression Refrigeration System.

Allocation of Marks

Sl. No	Description	Marks
1	Aim and procedure	10
2	Tabulation, Calculation and Diagram	20
3	Execution of the exercise	20
4	Result	10
5	Record of Work done	40
	Total	100