

TED (15) – 4055

Reg. No.

(REVISION — 2015)

Signature

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2019**

AUTOMOBILE ENGINEERING DRAWING

[Time : 3 hours

(Maximum marks : 100)

- [Note :—1. Drawing sheet to be supplied.
2. Assume suitable data wherever required.
3. Answer one full question from each unit.]

	Marks
UNIT — I	
I Draw the layout of fully equipped modern automobile garage. Layout Locating 15 equipment	10 15
OR	
II Draw the isometric view of single chamber modern paint booth. Isometric View Locating 10 equipment	15 10
UNIT — II	
III Draw the cut sectional view of a two stroke petrol engine piston. Full Sectional Front View Half sectional right hand side view Top view	10 10 5
OR	
IV Draw the proportionate views of four-cylinder petrol engine camshaft. Front view Section at inlet valve operating cam Section at exhaust valve operating cam Section at eccentric	10 5 5 5
UNIT — III	
V Draw the lighting circuit of a petrol car. (Headlamp circuit, Park lamp circuit, Brake light, Interior light, Side indicator, instrument light)	25
OR	
VI Draw the electrical wiring diagram of petrol two wheeler. (Ignition circuit, headlamp circuit, side indicator circuit, horn circuit, brake light and park lamp circuit)	25
UNIT — IV	
VII Draw proportionate full sectional view of a side valve mechanism with side camshaft.	25
OR	
VIII Draw proportionate full sectional view of a diesel injector.	25