

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/  
MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2017**

**AUTOMOBILE ENGINEERING DRAWING**

[Time : 3 hours

(Maximum marks : 100)

[Note :— 1. Drawing sheet to be supplied.  
2. Assume suitable data wherever it is required.]

Marks

UNIT — I

I Draw the layout of a Roadways Workshop. Show at least 10 important equipments.  
(Layout-10 marks, List of 10 equipments-15 marks)

OR

II Draw the Layout of a Light Motor Vehicle and list of equipments.  
(Layout-15 marks, List of equipments-10 marks)

UNIT — II

III Draw full sectional Front view and Top view of a two stroke petrol engine piston.  
(Front view-15 marks, Top view-10 marks)

OR

IV Draw a six cylinder engine's crankshaft.  
(Front view-15 marks, Sectional view-10 marks)

UNIT — III

V Draw : (i) Lighting circuit of a car. 15  
(ii) Ignition circuit of a four cylinder petrol engine. 10

OR

VI Draw Ten electrical symbols used in car wiring. (10×2.5 = 25)

UNIT — IV

VII Draw a Cross sectional view of single cylinder four stroke Petrol engine.  
(Sectional View -15 marks, Marking 10 important Components-10 marks)

OR

VIII Draw an assembled cut sectional view of a Diesel Fuel Injector and mark all  
important parts. (Sectional view-15 marks, Marking 5 important parts-10 marks)