

2019

Major

2nd Semester Examination

AUTOMOBILE MAINTENANCE

Paper—C4T

Suspension system, steering system, Ignition system and Auto Air conditioning

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any five questions : 5×2
- (a) What is the function of C.B. point ?
 - (b) What is the function of condenser ?
 - (c) What do you mean by Refrigerant ?
 - (d) Write down few points on good properties of refrigerent.
 - (e) What is 'dry bulb temperature'?
 - (f) What do you mean by electronic ignition system ?

[Turn Over]

(g) What is arc welding ?

(h) What do you mean '1 ton A.C.' ?

2. Answer any *four* questions : 4×5

(a) (i) Write down few points on Advantage and disadvantage of Dead axle. $2\frac{1}{2}+2\frac{1}{2}$

(ii) Write notes on 'Air Suspension System'.

$2\frac{1}{2}+2\frac{1}{2}$

(b) (i) Write short notes on :

(a) Distributor (b) Spark Plug. $2\frac{1}{2}+2\frac{1}{2}$

(c) (i) What is the main function of chassis ?

(ii) Give the classification of chassis and write down few points about its.

$2\frac{1}{2}+2\frac{1}{2}$

(d) (i) What is 'wet bulb temperature' ?

(ii) Write notes on 'effect of air conditioning of fuel economy.

$2\frac{1}{2}+2\frac{1}{2}$

(e) (i) Write down few points on checking of Axle-beam.

(ii) Write notes on coil spring. $2\frac{1}{2}+2\frac{1}{2}$

(f) (i) Write down working principle of spark Plug.

(ii) What do you mean by 'Relative humidity'? $2\frac{1}{2}+2\frac{1}{2}$

3. Answer any *one* question : 1×10

(i) (a) What is High Tension Cable ?

(b) Enlist the main parts of a car A.C.

(c) Write down briefly Telescopic shock absorber with suitable sketch. $2+2+6$

(ii) (a) Give the classification of spring in motor vehicle purpose.

(b) Explain how helper spring helps to support additional load of the vehicle when required with suitable sketch. $2+8$

