

2019

MAJOR

1st Semester Examination

AUTOMOBILE MAINTENANCE

Paper—C 2-T

[Constraction details and working of IC engine]

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
- (i) What is thermostast value ?
  - (ii) What is gasoline ?
  - (iii) Write down the main function of piston ring.
  - (iv) What is venturi meter ?
  - (v) Explain needle valve.
  - (vi) Write the advantages of alloy cast iron than cast iron.

[ Turn Over ]

(vii) Why lubricating oil is used ?

(viii) Define piston pin.

2. Answer any four questions : 4×5

(i) Define viscosity and flash point viscosity briefly. 2½+2½

(ii) (a) What is main function of lubrication ?

(b) Give classification of lubricants. 2½+2½

(iii) Give classification of lubrication and discuss good properties of lubricants. 2½+2½

(iv) (a) Discuss the trouble shooting of cooling system.

(b) What do you mean fuel fed system of a S.I engine ? 3+2

(v) What is air cleaner? Give classification of it. Discuss main function of air cleaner. 1+2+2

(vi) Write down few points about connecting rod and cylinder block. 5

3. Answer any one question : 1×10

(i) (a) What is carburettor ?

( 3 )

(b) Classify it.

(c) Explain briefly of simple carburetor with diagram. 2+2+6

(ii) (a) Define fuel pump and classify it.

(b) Explain briefly the AC electric fuel pump with neat diagram. (2+2)+6

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