

220344

4th Sem.

Sub. : Auto Engine-I

M.M. : 60

Note: Multiple choice Questions. All Questions are compulsory. (6x1=6)

a) Mist b) Splash
c) Gravity feed d) Forced feed

- Opens at 30° before bottom dead centre and closes at 10° after top dead centre
- Opens at 30° after bottom dead centre and closes at 10° before top dead centre
- Opens at bottom dead centre and closes at top dead centre
- May open and close anywhere

a) 10 bar b) 20 bar
c) 25 bar d) 35 bar

- Q.4 The thermodynamic cycle on which Diesel Engine works is (CO3)
 a) Otto cycle b) Diesel cycle
 c) Dual cycle d) Rankine cycle
- Q5. A spark plug gap is kept from (CO4)
 a) 0.3 to 0.7 mm b) 0.2 to 0.8 mm
 c) 0.4 to 0.9 mm d) 0.6 to 1.0 mm
- Q.6 The ignition timing is affected by _____ (CO3)
 a) engine speed b) mixture strength
 c) compression ratio d) all of the above

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 What is function of fuel filter in IC Engine? (CO3)
 Q.8 What is full form of CNG. (CO1)
 Q.9 Write types of Air cleaners use in Engine. (CO3)
 Q.10 What is function of Carburetor in IC Engine? (CO4)
 Q.11 Define TDC and BDC. (CO1)
 Q.12 Write one property of Lubricant use in Engine. (CO3)

SECTION-C

Note: Short answer type Questions. Attempt any eight questions out of ten Questions. (8x4=32)

- Q.13 Write a short note on Lubrication system of Engines. (CO5)

- Q.14 What is the difference between Air Cooling and Water cooling of Engine. (CO2)
 Q.15 What is the function of radiator, thermostat, temp, gauge and water jackets. (CO4)
 Q.16 What are various types of fuel feed systems in SI Engine? (CO2)
 Q.17 Write a short note testing of I.C. Engines. (CO3)
 Q.18 Write a short note on Battery ignition system for IC Engine. (CO2)
 Q.19 Explain working of four stroke petrol Engine. (CO1)
 Q.20 Write the function of crankshaft, valves, flywheel and dampers in Engine. (CO1)
 Q.21 Explain Morse test of IC Engine. (CO4)
 Q.22 Describe valve timing diagram of SI Engines. (CO2)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three Questions. (2x8=16)

- Q.23 Write classification of Engines. Write the difference between 2-Stroke and 4 stroke Engines. (CO1)
 Q.24 What is MPFI system in Engine? Write in detail description and working of MPFI system. (CO4)
 Q.25 Write a short note on
 1) Governing of Engines.
 2) Compression test of Engine.