

- Q.28 Classify IC engine according to cycle of operation and number of stroke. (CO-2)

Q.29 Name the components of lubrication system. (CO-4)

Q.30 Define ignition timing and advance ignition timing. (CO6)

Q.31 Describe advantages of water cooling systems. (CO-4)

Q.32 Write the advantages of MPFI system. (CO-6)

Q.33 Draw a line diagram of fuel feed system of petrol engine. (CO-3)

Q.34 Why the brake power is less than indicated power? Justify it. (CO-6)

Q.35 Write function and material for piston rings. (CO-2)

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4th Sem. / Auto
Subject : Auto Engine I

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice Questions. All Questions are compulsory. (10x1=10)

- Q.1 Compression ratio of CI Engine is

 - a) 15:1
 - b) 20:1
 - c) 9:1
 - d) 4:1

Q.2 SI Engine Stands for

 - a) Spark Ignition
 - b) Suction Ignition
 - c) Secondary Ignition
 - d) None

Q.3 Bore of Engine is the

 - a) Volume of cylinder
 - b) Length of cylinder
 - c) Diameter of cylinder
 - d) Distance between TDC & BDC

Q.4 A single cylinder which has power stroke in every two revolution of crank shaft is called

 - a) Single Stroke
 - b) Two Stroke
 - c) Three Stroke
 - d) Four Stroke

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- Q.5 Crankshaft is of following section
 a) I-Section b) Round Section
 c) Triangular Section d) Square Section
- Q.6 The quantity of heat lost of the exhaust system in IC engine is
 a) 10% b) 25%
 c) 45% d) 70%
- Q.7 In 4 stroke scooter engine, cylinder is lubricated by
 a) Pressure lubrication b) Splash lubrication
 c) Petrol lubrication d) None
- Q.8 Ignition coil is used to
 a) Step up current b) Step up voltage
 c) Step down current d) Step up power
- Q.9 Cooling System
 a) Minimize wear
 b) Keeps the Engine parts cool
 c) Washes away dirt
 d) All above
- Q.10 Following is the CI engine
 a) Petrol Engine b) Diesel Engine
 c) Gas Engine d) None

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Write full form of TDC.
 Q.12 Compression ratio of Petrol engine is higher than Diesel Engine. (True/False)
 Q.13 Write full form IC engine.
 Q.14 Define Stroke of cylinder.
 Q.15 Write material for cylinder head.
 Q.16 Thermostat is the part of system. (Lubrication/Cooling/Ignition)
 Q.17 Define clearance volume.
 Q.18 Write full form of IHP.
 Q.19 Diesel engine works on cycle.
 Q.20 Write the Function of Anti-Freeze Solution.

SECTION-C

Note: Short answer type Questions. Attempt any twelve questions out of fifteen Questions. (12x5=60)

- Q.21 Write five difference between SI engine and CI engine. (CO-2)
 Q.22 Describe concept of compression ratio. (CO-1)
 Q.23 Explain functions of gudgeon pin and crankpins. (CO-2)
 Q.24 Write function and material for cylinder block. (CO-1)
 Q.25 Name the parts attached with crankshaft. (CO-2)
 Q.27 Write necessity of cooling system. (CO-3)