

SECTION-D

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

- Q.23 Explain principle, working and construction of 4 stroke diesel engine with neat sketch.
- Q.24 Draw a layout of four wheeler chassis and name its various components.
- Q.25 Explain traffic light and give some tips for safe driving.

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Roll No.

1st Sem / Automobile Engg.

Subject : Basics of Automobile Engg

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 An automobile defined as
- a) self propelled vehicle
 - b) used to carry passengers on road
 - c) has power source for propulsion
 - d) all of above
- Q.2 Which of the following is a classification of automobiles based on Load?
- a) Heavy transport vehicle (HTV)
 - b) Sedan Hatchback car
 - c) Four wheeler vehicle
 - d) Front-wheel drive

Q.3 Which of the following is not a part of the transmission system?

- a) Clutch b) Flywheel
- c) Gearbox d) Axles

Q.4 Which of the following is a classification of IC Engine?

- a) Otto cycle engine b) Four-stroke engines
- c) S.I engines d) All of the above

Q.5 Which of the following is not a part of IC ENGINE?

- a) Piston b) Crankshaft
- c) Radiator d) Flywheel

Q.6 Engine capacity is measured in

- a) Centimeter b) Centimeter cube
- c) Centimeter square d) None of above

SECTION-B

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

Q.7 Write full form of TDC.

Q.8 Write function of piston.

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Q.9 Write full form of CI.

Q.10 In diesel engine only air is entered during suction stroke. (True/False)

Q.11 In Tractor chassis suspension is used. (True/False)

Q.12 Draw the symbol of no overtaking.

SECTION-C

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

Q.13 Classify automobile on the basis of cycle of operation and give their example.

Q.14 Name the major assemblies of four wheeler.

Q.15 Describe any one type of automobile body.

Q.16 Define bore and stroke of engine.

Q.17 Describe concept of external combustion engine.

Q.18 Draw working diagram of 4 stroke petrol engine.

Q.19 Define road signs and write their types.

Q.20 Write the necessity of seat belt and helmet.

Q.21 Name four manufacturers of car in India.

Q.22 Write applications of automobiles.

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