

SECTION-D

Note: Long answer type questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 Describe concept of petrol injection and explain working of MPFI system.
- Q.20 Give the constructional details of a single plate clutch and describe it's working.

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Roll No.

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Level 5,1st Sem. / DVOC (Auto. Servicing, AMT)

Subject : Two & Three wheeler

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Multiple choice questions. All questions are compulsory (5x1=5)

- Q.1 In a two - stroke engine , the working cycle completes in two revolutions of the crankshaft.
a) True b) False
- Q.2 Diesel engine can work on very lean air fuel ratio of the order of 30:1. A petrol engine can also work on such a lean ratio provided.
a) It is properly designed
b) Best quality fuel is used
c) Cannot work as it is impossible
d) flywheel size is proper
- Q.3 Which of the following is the need of the gearbox?

(40)

(4)

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(1)

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- a) To vary the speed of the vehicle
- b) To vary the torque of the vehicle
- c) To vary the power of the vehicle
- d) To vary the acceleration of the vehicle

Q.4 Two general types of tyres are

- a) Tube type and tubeless
- b) Solid and tubeless
- c) Air and pneumatic
- d) Split rim and drop centre

Q.5 A delivery van falls under the category of which type of vehicles.

- a) Heavy passenger vehicles
- b) Light passenger vehicles
- c) Heavy goods vehicles
- d) Light goods vehicles

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (5x1=5)

Q.6 What is scavenging?

- Q.7 Write the function of Carburetor
- Q.8 Where the multiple clutches are used?
- Q.9 Give one advantage of disc brake over drum brake.
- Q.10 Write the material of tyre.

SECTION-C

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

- Q.11 Draw an actual valve-timing diagram of 4 stroke diesel engine.
- Q.12 Explain two-stroke diesel engine
- Q.13 Illustrate the working of sliding mesh gearbox.
- Q.14 Explain magneto ignition system.
- Q.15 What are the requirements of good braking system.
- Q.16 Show the arrangement of front suspension system and its working.
- Q.17 Explain construction and working of disc brake.
- Q.18 Explain recent developments in automobile industry in India.