

Q.16 Compare spoked wheel with cast wheel.

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Roll No. ....

Q.17 Give the constructional details of drum brakes.

(Level 5,) Sem. 1<sup>st</sup>/Trade-DVOC  
(Auto. Servicing, AMT)  
Subject : Two & Three Wheeler

Q.18 Present a case study of pick up van in brief

Time : 2 Hrs.

M.M. : 50

## SECTION-B

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

Q.19 Explain construction and working of 4 stroke SI engine with neat diagrams.

Q.20 Draw a circuit of battery ignition system and describe function of each component

## SECTION-A

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

Q.1 A two stroke cycle engine gives \_\_\_\_\_ the number of power strokes as compared to the four-stroke cycle engine, at the same engine speed.

- a) half
- b) same
- c) double
- d) four times

Q.2 The air fuel ratio of the petrol engine is controlled by \_\_\_\_\_.

- a) fuel pump
- b) governor
- c) injector
- d) carburettor

(20)

(4)

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(1)

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Q.3 In which of the gearbox, all gears are always in contact?

- a) Constant-mesh gearbox
- b) Sliding mesh gearbox
- c) Synchromesh gearbox
- d) Epicyclical gearbox

Q.4 On what principle does the braking system in the car work.

- a) Gravitational force
- b) Frictional force
- c) Magnetic force
- d) Electric force

Q.5 Which type of scavenging is used in two-wheeler without deflector type piston?

- a) Reverse flow scavenging
- b) Cross scavenging
- c) Uniform scavenging
- d) Loop scavenging

## SECTION-B

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

- Q.6 What is port timing?
- Q.7 Write necessity of lubrication system
- Q.8 What is the necessity of gearbox?
- Q.9 What is disc brake?
- Q.10 Define moped.

## SECTION-C

**Note:** Very short Answer Questions. Attempt any six questions out of eight questions. (6x5=30)

- Q.11 Write five differences between SI engine and CI engine.
- Q.12 Describe symmetrical port timing.
- Q.13 Write the advantages of centrifugal clutch.
- Q.14 Describe of working of simple carburetor.
- Q.15 What is the principle of operation of hydraulic shock absorber?