

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

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

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

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

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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?

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