

Q.14 List the disadvantages of pneumatic brake system.

Q.15 Define the principle of suspension system.

Q.16 Write a short note on Emission Norm Standards.

Q.17 Name the various components of a steering system.

Q.18 Define are catalytic converters?

### SECTION-D

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

Q.19 Explain the construction and working of electronic steering with the help of neat sketch.

Q.20 Explain the construction & working of hydraulic brake with the help of neat sketch.

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

**Subject : Motor Vehicle Technology - II**

Time : 2 Hrs.

M.M. : 50

### SECTION-A

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

Q.1 Which of the following is not the part of the hydraulic breaking system?

- a) master cylinder      b) wheel Cylinder
- c) brake pedal      d) steering mechanism

Q.2 When the main operating components are attached into the main frame, the assembly is called a

- a) Unit      b) Chases
- c) body shell      d) sub-section

Q.3 The purpose of a brake is to

- a) lock the road wheel
- b) apply heat to generate K.E
- c) to safely and reliably decelerate a vehicle
- d) stop the drum from rotating

Q.4 The efficiency of hydraulic braking system is

- a) about 90%                      b) 60-70%
- c) 50-60%                      d) 30-40%

Q.5 The escape of burned gases from the combustion chamber past the piston and into the crank case is called

- a) gas loss                      b) blow-by
- c) passed gas                      d) by-pass

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## SECTION-B

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

Q.6 Define the lock-to-lock angle.

Q.7 Hydraulic power steering consumed power from engine to run. (True/False)

Q.8 Most anti-skid devices are employed on\_\_\_\_\_

Q.9 Another name for a torsion bar is radius rod. (True/False)

Q.10 A faster warm up of vehicle improves its exhaust emissions. (True/False)

## SECTION-C

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

Q.11 Define the various types of cross sections of frame.

Q.12 Write a short note on torsion bar .

Q.13 Write a short note on master cylinder.

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