

- Q.12 Define the terms lock to lock angle, centre point steering, positive steering and gradeability.
- Q.13 Explain briefly semi elliptic leaf spring.
- Q.14 Write a short note on maruti suspension system..
- Q.15 Write short note on worm and wheel gear.
- Q.16 Explain antilock brake system.
- Q.17 Explain three measures to control exhaust emissions in petrol and diesel engines each.
- Q.18 Write any five effects of pollution from I.C. engines on human.

### Section-C

- Note:** Long answer type Question. Attempt any one questions out of two Questions. (1x10=10)
- Q.19 What is Steering Mechanism? Describe Ackerman Steering system with neat sketch.
- Q.20 Give the principle of working of hydraulic brakes and explain its construction and working with the help of neat sketch.

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### **DVOC (Level 5, Sem-5 DVOC (Auto. Servicing, AMT) Sub : Motor Vehicle Technology-II**

**Time : 2 Hrs.**

**M.M. : 50**

### SECTION-A

**Note:** Very Short answer questions. Attempt all ten questions. (10x1=10)

- Q.1 Define turning radius.
- Q.2 Write types of bodies of a motor vehicle.
- Q.3 Define spring camber.
- Q.4 What is function of anti-roll bars.
- Q.5 Define Toe in.
- Q.6 Give function of Axle.
- Q.7 Define mechanical brakes.
- Q.8 Name Components of Hydraulic Brake.
- Q.9 Name the emission measuring instrument used for petrol engines.
- Q.10 What is reactor system in automobiles?

### Section-B

- Note:** Short answer type Question. Attempt any Six questions out of eight Questions. (6x5=30)
- Q.11 Write any five types safety features of a modern car.