

## **SECTION-B**

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

- Q.11 Write the advantages of Front-engine rear wheel drive.
- Q.12 Explain various developments of a tractor.
- Q.13 What are the requirements of a clutch?
- Q.14 Explain the working of a multi plate clutch.
- Q.15 Write the applications and advantages of epicyclic gearbox.
- Q.16 Explain tractor final drive construction and working.
- Q.17 Explain tubeless tyre and its advantages.
- Q.18 Write the advantages of filling nitrogen in tyres.

## **SECTION-C**

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

- Q.19 Describe with sketch construction of tubeless tyre & state its advantages over Tube type.
- Q.20 What is overdrive? Explain its use in automobile.

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Roll No. ....

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**Level 4 / 2nd. Sem. / DVOC**

**Auto Servicing, AMT**

**Subject : Motor Vehicle Technology-I**

Time : 2 Hrs.

M.M. : 50

## **SECTION-A**

**Note:** Very short answer type questions. All questions are compulsory (10x1=10)

- Q.1 What is propeller shaft?
- Q.2 Define the term kerb weight.
- Q.3 Increase in torque in a vehicle is obtained by \_\_\_\_\_.
- Q.4 A wet clutch has longer life than a dry type clutch. (True/False)
- Q.5 In constant mesh gearbox, all the gears on the lay shaft are in \_\_\_\_\_ with the gears on the main shaft.
- Q.6 State the purpose of Transfer case.
- Q.7 Why are universal joints necessary in an automobile?
- Q.8 Universal joints are fitted on both ends of the \_\_\_\_\_.
- Q.9 What do you meant by tyre retreading?
- Q.10 Write the factors affecting the wheel and tyre assembly.