

## **SECTION-B**

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

- Q.11 Write the main advantages of “Rear engine-rear wheel drive.
- Q.12 Write a short note on layout of Maruti car chassis.
- Q.13 Discuss the advantages of a constant mesh gearbox over sliding mesh gear box.
- Q.14 Why are universal joints necessary in a vehicle?
- Q.15 What is an over drive? How does it work?
- Q.16 What is a torque convertor? How does it work?
- Q.17 Explain Light Alloy Cast Wheel or Forged Wheel. Write their 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 Explain briefly about the construction and working principle of single plate clutch?
- Q.20 Compare tube and tubeless tyres.

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**2nd Sem, Level 4 / DVOC (Auto. Servicing, AMT)**

**Subject : Motor Vehicle Technology - I**

Time : 2 Hrs.

M.M. : 50

## **SECTION-A**

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

- Q.1 Rear engine vehicle
- Q.2 Ground clearance
- Q.3 Clutch
- Q.4 Fluid coupling
- Q.5 Constant mesh
- Q.6 Gear ratio
- Q.7 Propeller shaft
- Q.8 Differential
- Q.9 Tyre wear
- Q.10 Wheel balancing