

Q.15 Write a short note on radial ply carcass tyre.

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Roll No.

Q.16 Write a short note on pressed steel disc wheel.

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

Q.17 What are the functions of tyres.

Subject : Motor Vehicle Technology - I

Q.18 Write a short note on torque converter.

Time : 2 Hrs.

M.M. : 50

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 differential with the help of neat sketch.

Q.20 Explain the construction & working of synchromesh gearbox with the help of neat sketch.

SECTION-A

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

Q.1 What is an automobile?

- a) self propelled vehicle
- b) used for carrying goods on ground
- c) contains the power source for propulsion
- d) all of these

Q.2 Which of the following material is used to make connecting rod?

- a) cast iron
- b) mild steel
- c) forged steel
- d) tool steel

Q.3 What is value of caster angle?

- a) 5°
- b) 3°
- c) 8°
- d) any angle

Q.4 In which type of manual transmission, the double de-clutching is used.

- a) Constant mesh gear box
- b) sliding mesh gear box
- c) synchromesh gear box
- d) epicyclical gear box

Q.5 In the Hook's joint, yokes of any shaft can rotate up to an angle _____ on bushes

- a) 10°
- b) 15°
- c) 18°
- d) any angle

SECTION-B

Note: Objective type questions. All questions are compulsory. $(5 \times 1 = 5)$

Q.6 Define the body of an automobile.

Q.7 Define tractive effort.

Q.8 Write the function of propeller shaft.

Q.9 Define the beads.

Q.10 Define wheel alignment.

SECTION-C

Note: Short answer type questions. Attempt any six questions out of Eight questions. $(6 \times 5 = 30)$

Q.11 What are the disadvantages of rear wheel drive?

Q.12 Write the functions of transmission system.

Q.13 Write a short note on semi floating axle.

Q.14 Write a short note on multi plates clutch.