

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-four wheel drive.
- Q.12 Write in brief about the layout of chassis components of an automobile.
- Q.13 What are the functions of clutch?
- Q.14 Explain the working of a centrifugal clutch.
- Q.15 Write the applications and advantages of synchromesh gearbox.
- Q.16 Explain the necessity of a differential in an automobile.
- Q.17 Differentiate conventional tyre and radial tyre.
- Q.18 What is tubeless tyre? Write its advantages.

SECTION-C

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

- Q.19 Discuss the salient features of 'Power Transmission' and 'Final Drive' of a tractor.
- Q.20 Describe with schematic diagram working of constant mesh gearbox.

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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 Front engine-Rear wheel drive?
- Q.2 Define ground clearance in a vehicle.
- Q.3 In hydraulic clutch, the clutch action is applied by _____ pressure while it is released by the _____ action.
- Q.4 The co-efficient of friction for clutch facing is approximately 0.4. (True/False)
- Q.5 In the synchromesh gear box, the provision of the synchromesh device avoids the necessity of _____ declutching.
- Q.6 What is torque converter?
- Q.7 Write the purpose of final drive.
- Q.8 The inner end of the axle shaft is splined to the _____
- Q.9 What do you mean by tyre retreading?
- Q.10 What is tread?