

QUESTION BANK

Unit Test 1

Sub :- Automobile Engg. (AEN)

Sub Code:- 315372

Academic Year:- 2025-26 (K- SCHEME)

CHAPTER 1:- Introduction to Automobile

Question for 2 Marks :-

- a) Give classification of automobiles.
- b) Enlist the main components of automobile.
- c) Give advantages of frameless construction.
- d) List vehicle manufacturer in India.
- e) Differentiate Chassis And Frame.
- f) Define HGV and MG V.
- g) Enlist the four types of vehicle layout.

Question for 4 and 6 Marks :-

- a) Explain different types of automobile chassis.
- b) Write any four advantages of front engine rear wheel drive.
- c) Explain the following terms related with car Aerodynamics. (i) Drag (ii) Lift
- d) State the advantages of LPG and CNG operated engines.
- e) Draw general layout of front engine front wheel drive car.
- f) State and explain different forces acting on the vehicle body related to aerodynamics.(6M)

CHAPTER 2:- Automobile Transmission Systems

Question for 2 Marks :-

- a) State the functions of clutch.
- b) State function of universal and slip joint used in propeller shaft.
- c) State any two functions of Gear Box in automobile.
- d) Enlist the types of Transmission of vehicle.
- e) State the advantages of Torque Converter.
- f) State different types of real axle.

Question for 4 and 6 Marks :-

- a) Describe with neat sketch single plate clutch.
- b) Explain with neat sketch working of constant mesh gear box.
- c) Explain working of diaphragm clutch.
- d) Draw sketch of epicyclic gear box.
- e) Explain working of fluid flywheel with neat sketch.
- f) Why differential is used in automobile? Explain working of differential. (6M)
- g) Draw neat sketch of overdrive and explain its working. (6M)