

# QUESTION BANK

## Unit Test 1

Sub :- Automobile Engg. (AEN)  
Academic Year:- 2019-20 (I- SCHEME)

Sub Code:- 22656

### CHAPTER 1:- Introduction to Automobile

1. Give classification of automobiles.(2M)
2. Explain importance of aerodynamic body shape.(4M)
3. Draw general layout of automobile.(4M)
4. List vehicle manufacturer in India.(2M)
5. Differentiate Chassis And Frame.(2M)
6. State major components of automobile.(2M)
7. Enlist the characteristics of LPG and CNG.(4M)
8. Draw layout of electric car and explain it's working.(4M)

### CHAPTER 2:- Automobile Transmission Systems

1. Explain working of single plate clutch.(4M)
2. Explain need of gearbox.(2M)
3. Explain resistances to be overcome by vehicle.(2M)
4. Explain working of torque converter.(4M)
5. Explain working of propeller shaft.(2M)
6. Explain working of diaphragm clutch.(4M)
7. Draw sketch of epicyclic gear box.(2M)
8. Explain working of transfer case.(4M)
9. Explain working of multiplate clutch.(4M)
10. Explain working of fluid flywheel with neat sketch .(4M)
11. Draw the sketch of constant mesh gear box.(4M)
12. Draw the sketch of synchromesh mesh gear box.(4M)
13. Write different stresses to be resisted by rear axle.(2M)
14. List type of rear axle and explain any one.(4M)
15. Differentiate between single plate and multiplate clutch.(4M)
16. Differentiate between live axle and dead axle(2M)

### CHAPTER 3:- Automobile Control Systems

1. State the function and location of unloader valve in air braking system. (2M)
2. State the significance of Camber.(2M)
3. State the function of Steering system.(2M)
4. Define steering ratio and turning radius.(2M)
5. Explain working of rack and pinion steering gear box with neat sketch.(4M)
6. Give the classification of brakes (4M)
7. Explain recirculating gear steering mechanism.(4M)
8. Differentiate between disk and mechanical brakes.(4M)