AUTOMOBILE QUESTION BANK

1. Explain the importance of aerodynamic shape of a car body.
2. Give the classification of automobiles.
3. Draw a layout of front engine rear wheel drive type vehicle.
4. Explain the function of Bendix drive in starter system.
5. Explain working of recirculating ball type gear box with neat sketch.
6. Explain use of microprocessor controller in automobile system.
7. Why universal joint & sliding joints are used in propeller shaft?
8. Explain working of single plate clutch with diagram.
9. What is the difference between live rear axle & dead rear axle? Write different stresses to be resisted by rear axle.
10. What are the requirements of steering system?
11. With neat sketch explain the working of telescopic shock absorber.
12. List the various types of rims used in automobiles.
13. Define (I) TOE-IN (II) Camber

 (III) Caster (IV) King Pin Inclination

1. Differentiate between hydraulic braking & pneumatic braking systems (Any four points)
2. What is the significance of colour codes in automobiles? State four colour codes.
3. Draw a labeled sketch of balancing coil type fuel gauge & describe its Working.
4. Draw a typical wiring diagram of automobile and label it.
5. Explain the working of alternator with neat sketch.
6. Discuss the automobile market in India for four wheelers.
7. Distinguish between electronic ignition system & conventional ignition system (Any Four points) .
8. Draw a cut section showing construction of battery. Label the components & state their functions.
9. Explain with neat sketch, working of constant mesh gear box.
10. How tyres are specified? What are the advantages of tubeless tyre? also state the factors affecting tyre life?
11. Explain the working of transfer case with neat diagram & give its Applications.
12. Explain with neat sketch, hydraulic braking system. Also give two advantages & disadvantages of hydraulic braking system.
13. Explain working of battery ignition system with neat sketch. Also define battery capacity.
14. With neat sketch give the nomenclature of car body.
15. Draw a lebelled sketch of Differential. Why it is used in automobile transmission system.
16. What is the function & necessity of over drive?
17. Draw a neat & labeled sketch of Macpherson type suspension system. Also state any two advantages of it.
18. What is wheel Balancing & wheel alignment? Why it is necessary?
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