

**Faculty Code: AU13**

**Faculty Name: RAJESH. M**

**Designation: LECTURER**

**AT2302 – AUTOMOTIVE ELECTRICAL AND  
ELECTRONICS**

**Question Bank**

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**UNIT I**

**Part A**

1. Draw a neat sketch to show the construction of a lead acid battery.
2. Discuss about the characteristics of lead acid battery.
3. How are batteries rated?
4. What are the different capacity ratings of a lead acid battery?
5. What do you mean by efficiency of batteries?
6. What are the various tests done on batteries?
7. Write short note on battery maintenance.
8. Write short note on battery charging.
9. Write short note on lighting system of an automobile.
10. What is insulated and earth return system?
11. Draw a neat sketch of a sealed beam head lamp.
12. Write short note on LED lighting system in automobile.
13. What do you mean by head light dazzling? How can it be prevented?
14. Draw a neat sketch of an electric horn.
15. How does a trafficator work?

**Part B**

1. With a neat sketch, explain the construction of a lead acid battery.

2. Discuss briefly about how batteries are rated.
3. Explain in detail various tests done on a lead acid battery.
4. Explain constant current method of charging a lead acid battery.
5. Explain constant voltage method of charging a lead acid battery.
6. With neat sketch explain any two types of headlamp.
7. What do you mean by head light dazzling? How can it be prevented?
8. With neat sketch explain the working of any two types of horns.
9. With neat sketch explain the working of wiper system of an automobile.
10. With neat sketch explain the working of trafficators of an automobile.

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