

**B. Voc. (Automobile Technology) - 1st Sem.**

**Exam. Code: 109501  
Subject Code : 3198**

**Paper-V: Basics of Automobile Technology-II**

**Time allowed: 3 hrs.**

**Max. Marks: 60**

Note:

- a) Ten compulsory short answer questions one and half marks each.  $10 \times 1.5 = 15$
- b) Attempt any five questions out of ten questions of five marks each.  $05 \times 05 = 25$
- c) Attempt any two descriptive type questions out of four questions of ten marks each.  $02 \times 10 = 20$

**Part-A**

- Q1. (a) What is the need of a battery in a vehicle? ✓
- (b) Draw diagram of series connection of battery. ✓
- (c) Draw diagram of parallel connection of battery ✓
- (d) Write the name of different parts of battery. ✓
- (e) Why battery maintenance is required?
- (f) Write any three safety standards used during repairing of vehicles.
- (g) Write the name of tools used for repair of vehicles. ✓
- (h) Write the difference between measuring and marking tools.
- (i) Write the name of special tools used for denting. ✓
- (j) Why repair of vehicle is required?

**Part B**

- Q2. Write the safety precautions required during working with tools for vehicle repair.
- Q3. List the safety standards required for vehicles.
- Q4. Define the term Least Count and write in detail about the tool Vernier calliper.
- Q5. Discuss the different special tools used for denting. ✓
- Q6. What type of precautions required during accidental repair?
- Q7. How a battery works.
- Q8. Discuss the construction of battery in detail.
- Q9. Why maintenance of battery used in a vehicle is required?
- Q10. Explain series and parallel arrangement of batteries
- Q11. Discuss the different parts of a battery.

**Part- C**

- Q12. Write in detail about various tools and also special tools used for denting in vehicles.
- Q13. Explain the difference between measuring tools: Vernier Calliper and Screw Gauge.
- Q14. What is the requirement of battery in a vehicle and explain in detail the construction of a battery.
- Q15. Discuss the series and parallel connection of batteries and also explain the maintenance requirement of a battery.

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