

B. Voc. (Automobile Technology) - Ist Sem.**(2116)****Paper-IV: Basics of Automobile Technology-I****Time allowed: 3 hrs.****Max. Marks: 60**

Note:

- a) Ten compulsory short answer questions of 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 requirement of frame in vehicles?
 (b) What is Gear Overhang?
 (c) What is requirement of Chassis?
 (d) What do you mean by 'Wheel Base'?
 (e) What do you mean by 'Wheel Track'?
 (f) Write the name of main parts of automobile.
 (g) Give examples of light and heavy commercial vehicles.
 (h) What is 'Front Overhang'.
 (i) What do you mean by frameless vehicle body?
 (j) Write the names of types of frames used in automobiles.

Part-B

- Q2. Explain in detail Front overhang and Gear overhang.
 Q3. Explain in detail Wheel Track and Long Wheel Base.
 Q4. Explain the difference between frame and frameless vehicle body.
 Q5. Explain in detail about the requirement of Chassis in vehicles.
 Q6. Write the advantages and disadvantages of frameless vehicle.
 Q7. Explain the major parts of automobile with the help of suitable diagrams.
 Q8. Write the difference between light, medium and heavy commercial vehicles.
 Q9. Explain the required properties for vehicle body.
 Q10. Write the name of different engine parts of a automobile.
 Q11. What do you mean by heavy commercial vehicles with the help of suitable examples.

Part-C

- Q12. Classify Chassis with respect to fitting of engines and also explain chassis repair.
 Q13. Explain in detail different engine parts.
 Q14. Explain various types of frames and sections used in frame.
 Q15. Explain different types of automobiles with the help of examples.
