



OR

- 8 a. Explain the following with sketches:  
i) Antilock Braking Systems (ABS) (12 Marks)  
ii) Traction Control (08 Marks)
- b. Explain the importance of air bags and seat belt tensioners. (08 Marks)

**Module-5**

- 9 a. Explain the components of electrical vehicle and the layout. (08 Marks)  
b. Explain the construction and working of sodium sulphur battery for electric vehicles. (08 Marks)  
c. What are the merits and demerits of electric vehicles? (04 Marks)

OR

- 10 Explain the following :  
a. Light sensors  
b. Proximity sensors  
c. Hall Effect sensors  
d. Internet of Things (IoT) (20 Marks)

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