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- b) What are the types of rear axle drives and explain it with the neat 13,K2,CO3 sketches.
- 14. a) Draw the layout of a typical steering system used in a vehicle fitted ^{13,K2,CO4} rigid suspension configuration and briefly discuss about the function of its constituent members.

OR

- b) With simple block diagram, analyze the working of a typical traction *13,K2,CO4* control system used in passenger cars.
- 15. a) Discuss about the challenges faced in production and storage of 13,K2,CO5 hydrogen gas.

OR

b) With aid of a simple sketch, discuss about the working of a solid oxide 13,K2,C05 fuel cell.

PART C $(1 \times 15 = 15 \text{ Marks})$

16. a) Discuss the construction and working principle of 3-way Catalytic ^{15,K2,CO6} Controller. List the emissions controlled by using Catalytic controller.

OR

b) Explain how diethyl ether in IC engines influencing the emissions also 15,K2,CO6 state its merits and demerits.

2