



### SECTION-B

2. Write a short note on single, two and four wheel drive with suitable examples.
3. Explain the construction and working of single plate clutch with suitable diagram.
4. Write a short note on synchromesh type gear box with suitable diagram.
5. Explain the working torque converter in detail.
6. Compare the hydrostatic drive and hydrodynamic drive systems.

### SECTION-C

7. Explain the following in detail :
  - (a) Need for double declutching
  - (b) Transfer box
8. Explain in detail, the different type of drives (Belt, chain, shaft, hydraulic and electric) with suitable diagram and examples.
9. Explain in detail, the principle of early and modified Ward Leonard Control system along with their advantages and limitations. Also, discuss the performance characteristics.

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