

1. Enlist the functions of tyre tread.
2. Differentiate between radial and bias ply tyres.
3. Define aspect ratio of a tyre.
4. Define green tyre.
5. Define section width of a tyre.
6. Enlist the functions of tyre beads.
7. Write a short note on radial tyre.
8. What do you mean by the specifications **185/70 R13 82H** given on a tyre?
9. Briefly discuss the four steps involved in wastewater treatment of any rubber industry.
10. Write short note on BOD and COD of waste. Discuss the reasons and methods of its reduction.
11. With proper diagrams, describe in detail, any three quality tests carried out on tyre after its manufacture.
12. Enlist and describe various components of tyres and draw schematic diagram of section of tyre along with tread details.
13. Write short note on noise test, plunger test, endurance tests and rolling resistance test with neat diagrams.