

Subjective questions on MRT 02

1. Describe with neat line diagram the organization structure of Indian Railways.
2. Describe the role of Mechanical engineering department in Indian Railways.
3. Describe Rolling Stock Maintenance Organization in Zonal Railways.
4. Describe briefly types of rolling stocks used in Indian Railways.
5. Describe briefly maintenance schedules of Locomotives.
6. Describe briefly maintenance schedule of a Coaching stock.
7. Describe brief history and activities performed in production unit RCF, Kapurthala
8. Describe brief history and activities performed in production unit ICF, Chennai
9. Describe brief history and activities performed in production unit MCF, Raebareli
10. Describe brief history and activities performed in production unit DLW, Varanasi
11. Describe the role of C&W workshops in Indian Railways.
12. Describe the organization of C&W workshops in Indian Railways.
13. Draw a neat layout of C&W workshop, also describe statutory requirements of C&W workshops.
14. Describe the activities performed in Roller bearing shop for its maintenance in a C&W workshop.
15. Describe the activities performed in Corrosion repair shop for maintenance of either coaches or wagons in a C&W workshop.
16. Describe the activities performed in Painting shop for painting of coaches in a C&W workshop.
17. Describe the activities performed in brake gear shop for its maintenance in a C&W workshop.
18. Describe the activities performed in spring section for its maintenance in a C&W workshop. Also explain what is meant by color coding scheme and pairing in terms of springs.

19. Describe the activities performed in Wheel and axle shop in a C&W workshop.
20. Describe Air spring testing procedure in a C&W workshop.
21. Describe the activities performed in M&P section for smooth functioning of a C&W workshop.
22. Describe the role and objective of a diesel POH workshop.
23. Describe in brief the activities performed by different shops in a Diesel POH workshop.
24. Draw a neat layout of a Diesel POH workshop.
25. Describe the organization of a Diesel POH workshop.
26. Describe the role and objective of a C&W depot.
27. Describe briefly the activities performed in Primary, Secondary and safe to run examinations in a C&W depot.
28. Draw a neat layout of a C&W depot.
29. Describe the air brake testing procedure of a primary rake in a C&W depot.
30. Describe briefly the activities performed in End to end and CC rake examination of wagons in a C&W depot.
31. Describe the role and objective of a Diesel shed.
32. Draw a neat layout of a Diesel shed.
33. Describe the activities performed in different shops in a Diesel shed.
34. Describe the Load Box testing procedure in a Diesel shed.
35. Write notes on Latest development in mechanical department in terms of predictive maintenance systems, tools and maintenance management.
36. Write short notes on activities of these organizations (Any three)-
 - (a) RDSO
 - (b) IRIMEE
 - (c) RITES
 - (d) CONCOR
 - (e) CAMTECH