

1. Organisational setup of Rly. at Board, Zonal and Divisional level
2. ^{Objective} Objectives of Indian Rlys. and functions of Opttg. Deptt.
3. Organisational setup of Control Office in Division.
4. Signals - Types, description, placement, aspects and indications
5. Rules for working train when signals become defective
6. Adequate Distance.
7. Interlocking - Type and Standards, Isolations.
8. Rules for reception/despatch of trains.
(a) at Non Interlocked Stations.
(b) Interlocked Stations.
9. Reception of train/despatch of trains -
(a) On obstructed line (b) Non Signaled/Non R/Line
(c) On Electrified sections.
10. Reception/despatch of trains during -
(a) Total Interruption - single line and Double line
(b) Single line working on double line
(c) Single line working on double line during total Interruption-.
11. Working of -
(a) Motor Trolley
(b) Trolley/Lorry
(c) Material Trolley
(d) Ballast train.
12. System of workings
13. Engineering Restrictions
14. Rules for (i) Crossing/Precedence (ii) Shunting in different Stages (iii) Marshalling and Safety Marshalling of Passenger and goods trains .
15. Train ordering
16. Working of trains generally
17. Different types of speed - Booked, Maximum, Average, Commercial
18. Working time table - salient features and advantages
19. Hauling capacity of Locomotives
20. Brake power, Air pressure/Vacuum in train