

Objective Type Questions

1. Fill in the blanks.
 - (a) Minimum visibility of colour light main line starter should be _____ metres.
 - (b) Goods warning board is fixed at _____ metres from the home signal in MACLS territory.
 - (c) Plug in type Q-series track relay can be energized up to _____ % of pick up value.
 - (d) In the Optic Fibre Cable used for long haul communication fibre is _____ mode.
 - (e) The length of lock bark in Broad Gauge point layout is _____ metres.

2. Expand the following abbreviations:
RVNL PREM RCF DMRC
COFMOW RITES IRCTC RCIL

3. Name the sixteen Zonal Railways and mention their Zonal Head quarters.

4. Name the Zonal Railway of the following divisions:
Agra Banglore Kota Malda
Firozpur Bhopal Guntkal Ranchi

5. Write names the following persons:
 - a. Any Two Present Members of Railway Board.
 - b. Any Two Present DRMs of East Coast Railway.

6. Calculate the amount of Security deposit for a Works Contract of value Rs. 2.25 Crores. What are the acceptable forms of Security deposit?

Fill in the blanks:

7. Adequate spare conductors to a minimum of _____% of the total conductors used shall be provided for in each main cable up to the farthest point zone, beyond this there should be a minimum of _____% spare conductors of the total conductors used.

8. The top of the rodding shall not be less than _____mm below the bottom of the rails.

9. Offset in rodding shall be limited to _____mm at single location.
10. Compensators need not be provided where the length of the rodding is less than _____Mtr for point connections and _____Mtr for lock bar connections.
11. Lock bars shall be so installed with the operating lever in normal; the top surface of lock bar lies _____mm below the top of the rail.
12. The end of the lock bar shall not be more than _____mm clear of the toe of the switch, when the points are locked.
13. When the L.C Gate is closed to road traffic, the clearance between the road surface level and the boom shall be _____ to _____ Mtr.
14. Introduced voltage in signal cable on double line in 25 KV RE area is _____ V per Km.
15. In 25 KV RE area length of parallelism permitted between point contractor and the point machine of IRS type point machine is _____ Mtr in single line and _____ Mtr in double line section.
16. In 25 KV RE area length of parallelism permitted for QNAI relays are _____ Km in single line and _____ Km in double line section.
17. Hindi is Official Language of union of India as per article _____ of Constitution of India.
18. The state of Orissa belongs to region _____.
19. The state of Maharashtra belongs to region _____.
20. Notice boards for public railway stations are written in _____ languages.
21. Minimum _____% qualifying marks is required to be secured in Hindi examination for getting the merit cash award.
22. The name of the script of official Hindi language is _____.
23. Zonal railway official language committee meeting is held once in every _____ months.
24. The designation of HOD controlling Rajbhasa activities in a zonal railway is _____.

25. Letters / representations received by a central Govt. office is required to be replied to in _____ language.
26. Documents specified under section 3(3) of Official Language Act, 1963 are required to be issued in _____ languages.
27. The minimum Ballast resistance per KM of track in station yard is _____ ohms and in block section is _____ ohms.
28. When the gradient is steeper than _____, Slip siding is to be provided to protect the Block section.
29. PSC sleeper shall have a minimum resistance of _____ Ohms between insert to insert.
30. Maximum length of track circuit permitted in RE area with PSC sleepers is _____ mtr.
31. QBAT relay can be used for a track circuit with a maximum length of _____ mtr.
32. A Calling on signal may be provided below any other stop signal except the _____ signal.
33. The BSLB shall be located at _____ Mtr in advance of the Home signal and protecting the Fouling Mark of the trailing points if any.
34. A starter signal shall be placed at not less than _____ Mtr in advance of the Home signal.
35. The Block over lap in a Modified Lower quadrant signaling or Multi Aspect Colour light signaling shall not be less than _____ Mtr.
36. When driver finds an Automatic signal with 'A' marker at 'ON' he shall bring his train to a stop in rear of that signal and wait there for _____ minute by Day and _____ minutes by Night and proceeds cautiously.
37. The signal unit shall be so fixed that the height of the center line of the Red signal shall be _____ Mtr above Rail level.
38. In 25 KV RE area Maximum lengths permitted for direct feeding of signals with 110V feeding system on double line section with unscreened cable shall be _____ Mtr.

39. In RE area the distance between the signal and the OHE mast in front of it must not be less than _____ Mtr.
40. In RE area the distance between the signal and the OHE mast behind it shall not be closer than _____ Mtr. This distance may be reduced to _____ Mtr provided the mast is not anchored.
41. Minimum distance from the center of the track to the nearest part of the signal post is _____ Mtr.
42. In the vicinity of traction Sub station the cables shall be laid in concrete pipes or enclosed brick channels for a length of _____ Mtr on either side of the Sub station.
43. When un-screened cables are used the maximum length of parallelism permitted is _____ Km for safe handling by staff.
44. The Glow voltage on the terminal of a 12V Signal lamp is _____ Volts, when connected with 110/12V transformer.
45. Insulation resistance of a Glued joint shall not be less than _____ ohm in Dry condition and _____ Ohm in Wet condition when a meggering voltage of 100V is applied across the joint.
46. The distance between track circuit termination and Fouling Mark shall not be less than