

Subjective questions on MCT- 04

1. Describe various items attended during rolling-in examination and terminating examination of a goods train.
2. What are the requirements for running a goods train in closed air rake? How is it different from premium rake examination? Explain the difference between the closed rake circuit rake examination and premium rake examination.
3. What are the differences between End to end examination, closed circuit rake examination and premium rake examination?
4. Explain Closed circuit and premium examination of wagons in brief.
5. Draw a wheel profile and indicate its root, flange and tread.
6. What are the differences between CRT, BOX and BOXN wagon?
7. Describe the Air brake system of a BOXN Wagon. What are the various parts?
8. Please write special characteristic of following in brief.
i) Higher Axle Load Wagon ii) Aluminium Wagon
9. What is Huck bolt (Lock bolt)? What are its advantages and disadvantages?
10. Draw figure of a Lock bolt? Write the name of its part. Explain installation of Lock bolt.
11. Write special feature of BOBRN wagon? Please explain its door operating mechanism.
12. What is ODC? What are its various classifications and their various details?
13. Write maximum moving dimensions of a rolling stock? Write details of various types of clearances.
14. Write procedures of sanctioned for ODC in detail.
15. What is BLC wagon? Write various special features of BLC wagon?
16. Write various special features of Bogie LCCF 20 (C) used in BLC wagons.
17. What type of couplings used in a BLC wagon? Write its special features.
18. Write short note on IRCA part-III.
19. What is BPC? How it is issued for different rakes.
20. What is ROH? What maintenance activities are done in wagon during ROH?
21. Write standard features of a BTPN & BTPGLN wagon?
22. How Examination of tank wagons is done as per IRCA Part-III? Write in detail.
23. What are the important precautions to be taken while carrying out welding in wagons?

24. Write construction features of a Tank wagon in detail.
25. Write procedure of steam cleaning of tank barrels of a tank wagon?
26. What is ART? What are its various classifications? Write composition of a class ART.
27. Write Hooter codes of an accident? What turn out time & speed of the ART & ARME in day and night?
28. What book and codes are to be kept in an ART? Write sequence of Movement of ART & ARME to The Accident Site.
29. Please write special characteristic of following in brief.
i) Stainless steel Wagon ii) BOBRN Wagon
30. What is Derailment? What are its classifications?
31. What are the 02 categories of the derailment? Explain in detail.
32. What is derailment mechanism? What is the various cause of derailment?
33. What parameters of a Rolling stock are to taken in derailment investigation? Write in detail.
34. What is CRS enquiry? Explain in detail.
35. Write role of a Supervisor at an accident site in detail.
36. What step should be taken for the prevention of accident on C&W account?
37. What is WILD? How WILD system works? Explain in detail.
38. What is Hot Box Detector? How Hot Box Detector system works? Explain in detail
39. What is Track side bogie monitoring system? How it works? Explain in detail.
40. How store of a Coaching depot are managed? Explain in detail.
41. What is marshalling? How it is done for a mail/express trains.
42. Write the role of a supervisor to minimize the sick marking of coaches.
43. Write short notes on following.
i) OBHS ii) CTS
44. Write short notes on following.
i) Pest control ii) Rodent control

45. Write short notes on following.

i) Linen management ii) BOOT Laundry

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47. What is a weigh bridge? What action is to be taken in case of overloading?

48. Write short notes on following.

i) Quick watering system ii) Automatic coach washing plant

49. Draw lay out of a coaching Yard and writes its various infrastructural facilities?

50. Draw lay out of a goods Yard and write its various infrastructural facilities?