

PLEASE READ ALL THE INSTRUCTIONS CAREFULLY BEFORE MAKING ANY ENTRY IN THE ANSWER SHEET

1. Check that Question paper contains 110 questions and if any unprinted/torn pages are found, get it replaced.
2. There will be 110 questions with four multiple choice answers. Each question carries equal marks.
3. **Candidates are required to fill Items No. 1 to 11 in the OMR answer sheet.**
4. The OMR answer sheet contains duplicate copy and **DO NOT ATTEMPT TO SEPARATE OR DISPLACE THE DUPLICATE COPY WHILE ANSWERING.**

The shading/darkening done on the original OMR answer sheet will automatically appear on the Carbonless copy and hence no separate shading/darkening required on the carbonless copy.

5. Use only Blue/Black Ball Point Pen for writing/shading/darkening on the OMR sheet. **Gel pens/Pencils are not allowed.**

6. Please enter your Employee No. / PF No. in the box provided in the answer sheet and darken the corresponding circle.

7. Answers to Questions 1 to 110 are given in the multiple choice as A,B,C,D. Choose only one correct answer to each question from the multiple choice given (A,B,C,D) and darken/shade the appropriate circle fully. Changes are not permitted once answered.

Correct method



Wrong methods



8. Candidates are strictly advised to answer only 100 questions out of 110 questions. The first attempted 100 questions will be evaluated and answering more than 100 will be ignored even though correctly answered. Answering of questions in official language is **NOT COMPULSORY.**

9. **There will negative marking @ 1/3 mark for a wrong answer.**

10. Corrections of any type on the OMR sheet (eg. Overwriting, cutting, erasing or alterations of any type in the answer) **will not be accepted.** Zero marks will be given for such answers.

11. Please handover the OMR sheet along with its duplicate copy to the invigilator before leaving the examination hall. No OMR sheet copy should be carried by the candidate.

12. Candidates are **not allowed to keep mobile phones/electronic gadgets or any other documents/papers with them in the examination hall. In spite of all the instructions if any candidate is found to be carrying such equipments, candidates will be disqualified unconditionally.**

13. Candidates are allowed to take the question paper with them after the examination.

14. It may be noted that in the event of any doubt/discrepancy, the most apt option and the English version will prevail.

15. The candidates appearing for the exam are requested to clarify their doubts about any question/option, at the beginning of /during the examination, so that the same may be then clarified/corrected/substituted, for the benefit of all.

12. What is the check rail clearance to be maintained at Point and Crossing opposite to nose of CMS crossing in PSC sleeper track?
- A) 35 to 38 mm B) 41 to 45 mm
C) 31 to 37 mm D) 36 to 40 mm
13. What is the gap to be maintained between bottom of stock rail and top of leading stretcher bar in Point and Crossing?
- A) 1 to 2 mm B) 1.5 to 5 mm
C) 0 to 1.5 mm D) 0 to 1 mm
14. In LH Turnout, the LH stock rail is ____.
- A) straight B) curved C) both a&b D) None of the above
15. For creating gapless joint using 1 metre long fish plate first hole is to be drilled at ____ mm from rail end.
- A) 76 B) 79 C) 83 D) 85
16. Expand SRJ.
- A) Stock Rail Joint B) Switch Rake Joint
C) Switch Reference Joint D) None of the above
17. Total number of sleepers in 1 in 12 Point and Crossing excluding approach and exit sleepers is ____.
- A) 61 B) 72 C) 83 D) 55
18. Total number of sleepers in 1 in 8.5 Point and Crossing excluding approach and exit sleepers is ____.
- A) 35 B) 42 C) 54 D) 83
19. Toe load measuring device is used for measuring Toe load of ____.
- A) Rail B) Elastic Rail Clip C) Liner D) None of the above
20. Out of the following departments, blacksmith is found in ____ Department.
- A) Medical B) Personnel C) Operating D) Engineering
21. During installation of lifting barrier in Level Crossing, which of the following is to be installed first?
- A) Boom B) Balance weights
C) Both can be installed at the same time D) None of the above
22. Which of the following is used to measure the squareness of tongue rails?
- A) Tape B) T square C) Chisel D) None of the above

23. Expand TWS.
- A) Turnout with switch B) Thick Web Switch
C) Turnout Web Switch D) None of the above
24. Which of the following tools is used for lifting and packing of track?
- A) Hydraulic jack B) Jim crow
C) Hydraulic rail bender D) None of the above
25. How many bolts are used in 1 in 12 CMS crossing joint?
- A) 3 B) 4 C) 5 D) 6
26. Expand SSD in railway terminology.
- A) Switch setting device B) Switch spring device
C) Spring setting device D) None of the above
27. Which of the following is used to measure the level difference between two rails?
- A) Gauge cum level B) Tape
C) T square D) L square
28. No work should be carried out within ____ metres of live wire of electrified section without power block.
- A) 1 B) 2 C) 3 D) 4
29. After laying steel sleeper tightening of all fittings including hook bolts should be done once in ____ days for initial one month.
- A) 7 B) 15 C) 10 D) 2
30. What is the gap to be provided at Heel of Crossing Fish Plate Joint?
- A) 0 mm B) 2 mm C) 3 mm D) 6 mm
31. Head width of 60 kg rail is ____ mm.
- A) 60 B) 65 C) 74.3 D) 80
32. Head width of 52 kg rail is ____ mm.
- A) 60 B) 67 C) 78 D) 50
33. Height of 60 kg rail is ____ mm.
- A) 136 B) 145 C) 156 D) 172
34. Height of 52 kg rail is ____ mm.
- A) 52 B) 100 C) 156 D) 170

35. What is the unit weight of 52 kg rail?
A) 50 kg/m B) 51.89 kg/m C) 52 kg/m D) 60 kg/m
36. What is the unit weight of 60 kg rail?
A) 58 kg/m B) 59.89 kg/m C) 60 kg/m D) 60.34 kg/m
37. Gap to be provided at combination fish plate joint is ___ mm.
A) 0 B) 1 C) 3 D) 6
38. What size drill bit is to be used for providing gap less joint at CMS Crossing?
A) 26.5 mm B) 30 mm C) 20 mm D) 7.2 mm
39. After drilling of rail holes, _____ is to be done.
A) chiseling B) punching C) chamfering D) None of the above
40. What type of washers are provided in CMS crossing joints?
A) Flat B) Spherical C) Spring D) Tapered
41. _____ is to be used for cutting of rails before welding.
A) Abrasive Rail cutter B) gas cutting
C) Rail tensor D) None of the above
42. SSD box is fixed on ___ number sleeper of 1 in 12 Point.
A) 13 B) 17 C) 20 D) 22
43. Which of the following is used at Glued Joint?
A) J Clip B) Cut Liner C) Both a & b D) None of the above
44. All rail joints should normally be lubricated once in ___ years.
A) 1 B) 2 C) 1.5 D) 0.5
45. For maintaining 6 mm gap at rail joints, the first hole from rail end is to be drilled at ___ mm.
A) 80 B) 83 C) 86 D) 85
46. Distance between the centres of first and second rail holes is _____ mm for providing 1 metre fishplate.
A) 83 B) 166 C) 249 D) 250
47. The number of Elastic Rail clips required per plain track PSC sleeper is _____.
A) 1 B) 2 C) 3 D) 4
48. The number of Liners required per plain track PSC sleeper is _____.
A) 1 B) 2 C) 3 D) 4

49. The number of rubber pads GRSP required per plain track PSC sleeper is ____.
- A) 1 B) 2 C) 3 D) 4
50. Number of fish bolts in 1 m long fishplate is ____.
- A) 3 B) 4 C) 5 D) 6
51. Plate screws are tightened using ____.
- A) box spanner B) jim crow C) hammer D) chisel
52. In which of the following location is Joggled Fish Plate provided?
- A) Fish plate B) Welds C) Glued Joints D) None of the above
53. _____ is used for removing bend in rails.
- A) Jim crow B) hammer C) spanner D) angle grinder
54. Which of the following can be used for removing burrs in Glued joints?
- A) Angle grinder B) Hammer
C) Spanner D) Tapered gauge
55. In 1 in 12 Point and crossing 1st stretcher bar (leading stretcher bar) is between sleepers no. ____.
- A) 3 & 4 B) 5 & 6 C) 1 & 2 D) 6 & 7
56. In 1 in 12 Point and crossing 2nd stretcher bar (first follow) is between sleepers no. ____.
- A) 3 & 4 B) 5 & 6 C) 1 & 2 D) 6 & 7
57. In 1 in 12 Point and crossing 3rd stretcher bar (2nd follow stretcher bar) is between sleepers no. ____.
- A) 3 & 4 B) 5 & 6 C) 8 & 9 D) 10 & 11
58. In 1 in 12 Point and crossing 4th stretcher bar (3rd follow stretcher bar) is between sleepers no. ____.
- A) 3 & 4 B) 5 & 6 C) 8 & 9 D) 13 & 14

59. What type of tape is to be used at electrified and track circuited areas?
A) Metal tape B) Steel tape C) Aluminium tape D) Linen tape
60. During working in track circuited areas, ____ should be notified.
A) SSE/Signal B) SSE/Works C) SSE/Power D) SSE/OHE
61. During housing of tongue rail with stock rail in Points and crossing, ____ number of sleepers should generally be housing in 1 in 8.5 point and crossing.
A) 2 B) 3 C) 4 D) 5
62. During housing of tongue rail with stock rail in Points and crossing, ____ number of sleepers should generally be housing in 1 in 12 point and crossing.
A) 2 B) 3 C) 4 D) 5
63. Which fish plate is used to join rails of two different sections?
A) Jogged Fish Plate B) Combination Fishplate
C) Slotted Fishplate D) 1 m Fishplate
64. Which of the following bolt holes to be chamfered after drilling of holes?
A) Fishplate joint holes B) OHE bond holes
C) Signal holes D) All of the above
65. ____ is used to maintain gap during AT welding work.
A) Rail tensor B) Track jack C) T square D) L square
66. Which of the following indicator boards are to be available at Speed restriction spot?
A) Caution indicator B) Speed indicator
C) Termination indicator D) All of the above
67. Which of the following joints are to be provided as gapless joints?
A) Toe of crossing B) Heel of crossing
C) Combination joint D) All of the above
68. Which of the following rail section is not generally used in railways?
A) 52 kg B) 60 kg C) 90 R D) 62 kg

69. What is the bottom width of 52 kg rail?
A) 130 mm B) 136 mm C) 145 mm D) 160 mm
70. What is the diameter of holes to drilled in tongue rails for fixing stretcher bar in Points and Crossing?
A) 18 mm B) 20 mm C) 22 mm D) 25mm
71. During cutting of rails with abrasive disc cutter, the vertical tolerance for squareness on face of rail heads cut shall not be more than ___ mm.
a. ± 1 B) ± 2 C) ± 5 D) ± 25
72. Which of the following Tools is used during destressing of LWR?
A) Rail Profile Grinding Machine B) Angle grinder
C) Hydraulic rail tensor D) None of the above
73. Which of the following liners is used in track circuited areas?
A) Metal liner B) GFN Liner C) Steel liner D) None of the above
74. In 1 in 12 Point and Crossing, gauge tie plate is fixed on ___ number sleeper.
A) 1st B) 2nd C) 3rd D) 5th
75. During drilling of holes on rail with holes drilling machine which of the following is sprayed?
A) Water B) Oil C) Grease D) Kerosene
76. Which of the following is used for starting rail cutting machine?
A) Kerosene B) Oil C) Petrol D) None of the above
77. In which of the following are spherical washers used?
A) Points and Crossing B) SEJ
C) Level Crossing D) None of the above
78. Which of the following is **not related** to Point and Crossing?
A) Check rail B) Guard rail C) Tongue rail D) All are related

79. The first train after emergency repairs to Rail / Weld fracture will pass the spot at ____.

- A) stop dead and 10 kmph
- B) nonstop at 10 kmph
- C) nonstop at 30 kmph
- D) nonstop at 20 kmph

80. Greasing of SEJ is to be done once in ____.

- A) a fortnight
- B) a month
- C) 2 months
- D) 6 months

81. During shifting of drilling machine and working, the following things to be taken care of:

- A) Keep machine vertical during shifting
- B) Shall not move on uneven surface
- C) Machine to be evenly placed during drilling
- D) All of the above

82. Generally a gap of ____ mm is provided in Fishplated joint.

- A) 2
- B) 3
- C) 6
- D) 12

83. The purpose of providing gapless joint is to ____.

- A) prevent battering of rail ends
- B) to reduce number of bolts
- C) Both a & b
- D) None of the above

84. During tightening of torque wrench, ____ indicates that pre-set torque value is achieved.

- A) slipping of wrench
- B) click sound
- C) Both a & b
- D) None of the above

85. Precautionary measures to be taken by operator of disc cutting ____.

- A) wear safety clothing
- B) wear safety shoes
- C) wear goggles
- D) all of the above

86. After obtaining line block for rail renewal work, ____ is to be placed on track before the work spot to ensure safety at work spot.

- A) Patrolman B) Torch C) Banner flag D) None of the above

87. Hook bolts are used in _____.

- A) Point and Crossing B) SEJ
C) Level Crossing D) Steel Girder Bridge

88. _____ is used to remove jammed rail clips without damaging the sleepers.

- A) Hydraulic ERC extractor B) Jim crow
C) Rail tensor D) None of the above

89. Nominal gauge of PSC sleeper BG track is ____ mm.

- A) 1000 B) 1673 C) 1400 D) 1425

90. How many tongue rails are there in 1 in 12 Point and Crossing?

- A) 1 B) 2 C) 3 D) 4

91. Generally rivet renewal in girder bridges is carried out using ____ riveting.

- A) hand B) torque C) pneumatic D) none of the above

92. Corrosion in bridges can be reduced using _____.

- A) Protective painting B) Metallizing
C) Epoxy based painting D) All the above

93. Minimum fuel tank capacity of abrasive rail cutter is ____ litres.

- A) 1 B) 2 C) 3 D) 2.5

94. Recommended cutting time for 60 kg 90 UTS rail by abrasive rail cutter is ____ minutes.

- A) 2 B) 4 C) 6 D) 8

95. Rail cutting is slow due to which of the following reason?

- A) Driving belt loose B) Improper spark during ignition
C) Fuel not reaching carburetor. D) Engine switch is off

96. Minimum number of persons required for operating rail hole drilling machine is ____.

- A) 1 B) 2 C) 3 D) 4

97. Who is authorized level of supervisor to carry out emergency repairs after buckling of track has occurred?

- A) JE/Pway B) Blacksmith C) Keyman D) Mate

98. Maintenance tasks in Level crossing gate include ____.

- A) Adjustment of wire sag B) Checking of boom locking
C) Lubrication of moving parts D) All the above

99. During protection of railway track using detonator, the person should stand at ____ metre away from the last detonator.

- A) 20 B) 10 C) 45 D) 100

100. The weight of rivet testing hammer used for testing looseness of rivets is ____.

- A) 500 grams B) 1 kg C) 1.5 kg D) 110 grams

101. The name of the elementary Hindi course for Central Government employees is:

- A) Prabodh B) Praveen C) Pragya D) Prakriti

102. The article in the Constitution containing provisions regarding the Official Language of states is:

- A) Art 343 B) Art 344 C) Art 345 D) Art 346

103. The number of languages enlisted in the Eighth Schedule of the Constitution at present is:

- A) 8 B) 12 C) 16 D) 22

104. Hindi Day is observed on ____.

- A) 14th September B) 25th October C) 25th September D) 2nd October

105. As per the provisions of the Official Languages Rule, the regions are classified as:

- A) Regions A, B B) Regions A, B&C
C) Regions A, B, C&D D) None of the above

106. Gujarat is classified under which region as per the Official Language Rule?

- A) A B) B C) C D) None of the above

107. According to the Official Language Rules, Tamilnadu falls under which region?

- A) A B) B C) C D) None of the above

108. The Chairman of the Committee of Parliament on Official Language is:

- A) Prime Minister B) Union Minister of Finance
 C) Union Home Minister D) President

109. The official language Hindi is written in which script?

- A) Brahmi B) Pali C) Devanagari D) None of the above

110. The official language of Arunachal Pradesh is:

- A) Hindi B) Bengali C) English D) None of the above