

**SELECTION FOR THE POST OF SAFETY COUNSELLOR / TRAFFIC (EX-CADRE-
TENURE) IN LEVEL – 7 IN TRAFFIC DEPARTMENT – CHENNAI DIVISION**

133

QUESTION PAPER FOR THE WRITTEN EXAMINATION



Date : 30.06.2023

Venue: PB/HQ

Duration : Two hours (14.00 hrs 16.00 hrs)

Max: 100 marks

Instructions to candidates

1	Check that the 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. Question No.1 to 100 will be from Professional Subject, Question No 101 to 110 shall carry the questions of Official Language Policy and Rules. Official Language questions are purely optional. Each Question carries equal mark.
3	Candidates should write answer for any 100 questions. If more than 100 questions are answered, the first 100 answers only will be taken for evaluation.
4	<i>Candidates are required to fill the Items No.1-11 in the OMR answer sheet.</i>
5	The OMR answer sheet contains duplicate copy and <u>DO NOT ATTEMPT TO SEPARATE OR DISPLACE THE DUPLICATE COPY WHILE ANSWERING.</u> The shading/darkening done on the original OMR answer sheet will automatically appear on the Carbon Copy and hence no separate shading/darkening requires on the carbon copy.
6	Use only Blue/Black Ball Point Pen for writing/shading/darkening on the OMR Sheet. Gel Pens/Pencils are not allowed.
7	Please enter your <u>Employee No/PF No.</u> in the Box provided in the Answer Sheet and darken the corresponding circle.
8	Write your <u>Name in CAPITAL LETTER.</u> (Item No.1 of OMR sheet) <u>PUT YOUR SIGNATURE IN THE ANSWER SHEET</u> against Sign. of Candidate. Other than column No.1 to 11 in OMR, no other marks / writing / symbol should be made anywhere else in th OMR Sheet.
9	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. <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><u>Correct Method</u></p>  </div> <div style="text-align: center;"> <p><u>Wrong Method</u></p>  </div> </div>
10	<u>THERE IS NEGATIVE MARKING</u> and 1/3 rd of the allotted marks will be deducted for every wrong answer.
11	<i>Corrections of any type on the OMR sheet (eg. overwriting, cutting, erasing, multiple shading or alterations of any type in the answer) will not be accepted. Zero marks will be given for answers having corrections/overwriting/ multiple shading.</i>

12	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.
13	Candidates are not allowed to keep mobile phones/electronic gadgets or any other documents/papers with them in the Examination Hall.
14	Candidates are allowed to take the Question Paper with them after the examination.
15	It may be noted that in the event of any doubt/discrepancy, the most apt option and the English version will prevail.
16	The candidates appearing for the exam are requested to clarify their doubts about any questions/options, at the beginning of /during the examination, so that the same may be then itself clarified/corrected/substituted, for the benefit of all.

Answer 100 Questions:

Marks : 100x1=100 marks

1. When wind velocity exceeds _____ Train service is to be stopped.
 - A. 51 knots/82 Kmph
 - B. 40 knots/62 Kmph
 - C. 72 knots/41 Kmph
 - D. 41 knots/72 Kmph

2. _____ number of damaged vehicles can be attached in rear of rearmost Brake Van.
 - A. 3
 - B. 2
 - C. 1
 - D. 4

3. What are the station Classifications _____?
 - A. A
 - B. D & C
 - C. A, B, C, D and Special Class
 - D. None of these

4. The speed of Engine shunting shall not exceed _____ kmph.
 - A. 5
 - B. 15
 - C. 10
 - D. 6

5. Whenever wagons are stabled in running line, they shall be secured by _____ number of safety chains and _____ number skids.
 - A. 4 & 3
 - B. 5 & 6
 - C. 2 & 4
 - D. 6 & 2

13. The Signal Sighting is done as per SR _____
A. SR. 3.04
B. SR. 3.26
C. SR. 6.02
D. GR. 3.78
14. SPART & ARME Scale I in Chennai Division is located at _____ & _____
A. MS & JTJ
B. MAS & JTJ
C. MAS & KPD
D. TNPM & JTJ
15. Turning out time for BD special in day _____ minutes.
A. 45
B. 30
C. 15
D. 20
16. At the terminal yard _____ Board is provided.
A. Passenger warning
B. Goods warning
C. Stop
D. None of these
17. Premium BPC is Valid for _____ days
A. 10+3 days
B. 15 days
C. 12+3 days originating
D. 30 days
18. CC rake BPC Valid for
A. 12+3 days
B. 10+3 days
C. 45 days
D. 6000 km/30 days, 7500 km/35 days
19. Material Train BPC is Valid for
A. 12+3 days originating 100%, Enroute 75%
B. 30 days originating 90%, Enroute 70%
C. 12+3 days originating 95%, Enroute 75%
D. 6000 km/30 days, 7500 km/35 days

6. Whenever wagons are stabled, they shall be secured by pinning down at least _____ hand brake at each end
- A. 4
 - B. 5
 - C. 6
 - D. 8
7. ISMD loads are to be attached next to _____
- A. Train Engine
 - B. Centre of the formation
 - C. BV
 - D. Guard van
8. When Hot Axle noticed in running Train, Train must be stopped _____
- A. Immediately
 - B. In next station
 - C. Next stopping point
 - D. None of these
9. For Fog signalling, two detonators should be placed at _____ mtrs from _____
- A. 270 /FSS
 - B. 180/VTO
 - C. 600 /LSS
 - D. 360/Starter
10. While receiving a Train on obstructed line, Stop hand signal shall be exhibited at _____ meters from the obstruction.
- A. 20
 - B. 45
 - C. 180
 - D. 50
11. When Hot Axle is noticed during night hours, _____ shall be exhibited.
- A. Red Signal across the chest.
 - B. White light towards body
 - C. Green signal towards TMR
 - D. White Light as high as low as possible
12. Waving White light as high as possible and low during night time indicates _____
- A. Train parting
 - B. Hot axle signal
 - C. All right signal
 - D. None of these

27. The form used to report Train Accident to nearest SM is
- A. ACC-1
 - B. ACC-3
 - C. ACC-2
 - D. ACC-4
28. Trial run of Medical relief Train shall be conducted once in
- A. one month
 - B. two months
 - C. three months
 - D. six months
29. Orientation certificate issued to TMR working in _____ area.
- A. Automatic
 - B. Single line
 - C. Absolute
 - D. Double
30. _____ number of PN books supplied to TMR.
- A. 4
 - B. 3
 - C. 1
 - D. 2
31. The change in system of working is indicated to LP through _____ board on _____
- A. Indication /LSS
 - B. stop board/FSS
 - C. Indication/appropriate stop signal
 - D. SM office
32. If IBSS fails, the whole section is treated as one block section and Train Started on _____
- A. T/A 602
 - B. PLCT
 - C. Written memo
 - D. Prescribed memo
33. "System of working" falls under chapter _____ of GRS.
- A. VII
 - B. V
 - C. IV
 - D. III

20. No. of Hand brake to be applied to detach an engine on a gradient steeper than 1 in 400 within station section is
- A. BV
 - B. BV+6 vehicles
 - C. BV+12 vehicles
 - D. ALL
21. Whistle code to indicate Train parting is
- A. One long one short one long one short
 - B. two short
 - C. One long one short
 - D. three short
22. Permanent speed restrictions are notified through
- A. WTT
 - B. GRS
 - C. SWR
 - D. PTT
23. What is the Latest WTT/MAS Number
- A. 107
 - B. 105
 - C. 109
 - D. 110
24. At a Terminal station the Medical Relief train shall be turned out within
- A. 20 mins
 - B. 15 mins
 - C. 30 mins
 - D. 25 mins
25. In double line Absolute Section for shunting beyond LSS the authority is
- A. T/806
 - B. Shunt key or PN
 - C. T/806 + LSS (shunt key)
 - D. none
26. Authority to Pass SPI is
- A. PHS
 - B. T.370
 - C. T.370+PHS
 - D. Verbal instructions

34. One Train Only system is described in chapter----- of GRS
- A. VII
 - B. XIII
 - C. XIV
 - D. XII
35. _____ coupler arrangement is available in EMUs.
- A. IRS
 - B. CBC
 - C. Schaku
 - D. LHB
36. In LHB Coaches the Brakes released indication is indicated in
- A. Red
 - B. Green
 - C. blue
 - D. yellow
37. What is the pressure to be maintained in the Brake Pipe at TE?
- A. 4 Kg/Cm²
 - B. 5 Kg/Cm²
 - C. 3 Kg/Cm²
 - D. 6 Kg/Cm²
38. SWR provisions are given under S.R.
- A. S.R. 3.36
 - B. S.R. 5.06
 - C. S.R. 5.05
 - D. S.R. 4.50
39. An accident will be termed as serious accident when the loss of Railway property is more than__
- A. 1 Crore
 - B. 2 Crores
 - C. 3 Crores
 - D. 4 Crores

40. What is the expansion of CTR with respect to Track?
- A. Combined Track Removal
 - B. Complete Track Removal
 - C. Complete Track Renewal
 - D. Complete Track Repair
41. Failures/Defects of Hand Operated Points are entered in
- A. Point Defect Register
 - B. Signal failure Register
 - C. Point cleaning Register
 - D. None
42. Roof top travelling & Foot board travelling are punishable under section _____ of Indian Railway act.
- A. 154
 - B. 155
 - C. 156
 - D. 157
43. All Drivers of Express and mail trains should run at ----- speed subject to speed restrictions.
- A. Minimum
 - B. MAX Permissible
 - C. Caution
 - D. Convenient
44. Form to be filled by the TMR and LP in the case of persons falling out of train is
- A. ACC-1
 - B. ACC-2
 - C. ACC-3
 - D. ACC-4
45. BLCA wagon is a
- A. Tank wagon
 - B. Hopper wagon
 - C. Covered wagon
 - D. Container wagon
46. Accidents are classified into ___ no. of classes.
- A. 15
 - B. 18
 - C. 16
 - D. 20

47. Hot Axle & Train Parting comes under ___ class of accident.

- A. R
- B. J
- C. H
- D. G

48. What shall be the clearance of the height gauge at LCs in the electrified section from the road level?

- A. 2.67 m
- B. 3.67 m
- C. 4.67 m
- D. 5.67 m

49. In a Special class LC gate TVU should be

- A. 50,000 vehicles & below
- B. greater than 50,000 vehicles
- C. greater than 30,000 vehicles
- D. 20,000 vehicles & below

50. SPAD case is classified as ___ class accident.

- A. K
- B. L
- C. H
- D. G

51. Averted Collision falls under ___ class of accident.

- A. A
- B. F
- C. H
- D. G

52. Derailment falls under ___ class of accident.

- A. R
- B. L
- C. D
- D. G

53. List of Railway Hospitals & Dispensaries are available in

- A. ACC-9
- B. ACC-10
- C. ACC-11
- D. ACC-12

54. What is the periodicity of inspection of ARME Scale-I by a medical officer?
A. Once in 6 months
B. Once in 3 months
C. Once in 2 months
D. Every month
55. Maximum sectional speed 130 KMPH is allowed in Chennai Division is
A. MAS-GDR & MAS -RU
B. MAS-JTJ
C. MS-RU
D. None of these.
56. How many bell codes to be given in BI for 'Obstruction Danger' signal?
A. 2
B. 3
C. 4
D. 6
57. What is the frequency of foot patrolling by TRD officials of the suburban section is _____
A. thrice a week
B. twice a week
C. Once in 15 days
D. Daily
58. What is the periodicity of testing of emergency telephone sockets in the section?
A. thrice a week
B. twice a week
C. Every week
D. Daily
59. No work shall be done by Rly staff in the 25 KV Electrified section within a distance of
A. 1 Meter
B. 6 Meter
C. 4.67 Meter
D. 2 Meter
60. What immediate action a loco pilot shall take in case of accident to his Train?
A. Put on Flasher Light
B. Switch off head light at night
C. Protect the adjacent track
D. All of the above

61. What shall be the clearance between road surface level and the boom when the gate is closed to road traffic?
- A. 0.8 to 1 m
 - B. 1.8 to 2 m
 - C. 2.8 to 3 m
 - D. 3.8 to 4 m
62. How should the freight train be started / cleared from a way side station without BPC or with an invalid BPC?
- A. GDR's joint Check memo
 - B. LP's written memo
 - C. SM's written memo
 - D. None
63. How many approved Operating Registers are available?
- A. 35
 - B. 45
 - C. 74
 - D. 36
64. What is the standard gauge of wheel on BG?
- A. 1300 mm
 - B. 1400 mm
 - C. 1500 mm
 - D. 1600 mm
65. What is the height at which speed indicator should be fixed from Rail level?
- A. 1 meter
 - B. 2 meters
 - C. 1.5 meters
 - D. 3 meters
66. Σ (Sigma) board indicates
- A. Stop Signal ahead
 - B. ahead of shunt signal
 - C. ahead of LC
 - D. none of the above
67. What is the POH periodicity of EMU coaches?
- A. 12 months
 - B. 18 months
 - C. 24 months
 - D. 36 months

68. Where shall the banner flag be placed during the work of short duration on the BG?
- A. 600 meters
 - B. 800 meters
 - C. 300 meters
 - D. 500 meters
69. Which board is provided in rear of all places where the view of the track is obstructed by curves, cuttings or tunnels?
- A. W board
 - B. Σ board
 - C. WL board
 - D. R/WL board
70. What is the thickness of the Plate used for obstruction test in the Point?
- A. 20 mm
 - B. 15 mm
 - C. 10 mm
 - D. 5 mm
71. Joint Inspection of Points and Crossings is done once in ----- months
- A. 3
 - B. 6
 - C. 12
 - D. None of these.
72. Joint inspection of Track circuits with P.Way and Signals is done once inmonths.
- A. 3
 - B. 6
 - C. 12
 - D. None of these.
73. What is the Brake Pipe Pressure required in SLR of an Express Train?
- A. 3.8 kg./ cm²
 - B. 4.8 kg./ cm²
 - C. 5.8 kg./ cm²
 - D. 6.8 kg./ cm²
74. Transition coupling available in
- A. Engines
 - B. MEMU
 - C. BLC
 - D. MG coaches

75. What is the temporary Engineering fixed signals?
A. Caution Indicator
B. Speed Indicator
C. Stop Indicator
D. All of the above
76. CC+6+2 Loaded Trains are not permitted to run insection
A. MS-VM
B. MSB-VLCY
C. CGL-AJJ
D. AJJ-RU
77. Ruling Gradient in MAS- AJJ Section is
A. 1 in 100
B. 1 in 400
C. 1 in 260
D. 1 in 200
78. Speed in Standard III Interlocking is.....kmph
A. Up to 110
B. Up to 140
C. Up to 160
D. None of these
79. Standard Hours in Intensive/Continuous/Essentially Intermittent ishours in a week.
A. 42/48/60
B. 42/48/48
C. 26/48/60
D. None of these
80. Long ON in case of CONTINUOUS WORKER means Period of duty over.....hours.
A. 6
B. 10
C. 12
D. None of these
81. The 'A' Class load of ISMD/ODC is permitted to run whether day or night?
A. Day
B. Night
C. Day & Night
D. None

82. Which class ISMD/ODC can be permitted to run only during day time?

- A. D
- B. C
- C. B
- D. A

83. Escort is necessary for which class ISMD?

- A. D
- B. C
- C. B
- D. A

84. Shoulder Ballast means

- A. Ballast provided beyond the sleeper edge
- B. Ballast provided in between the sleepers.
- C. Ballast provided at Points and Crossings.
- D. None of the above.

85. Permissible flat tyre on wheel tread for Goods and Coaching Stock is
&mm.

- A. 60 & 45
- B. 60 & 50
- C. 50 & 60
- D. None of these.

86. Single Line Working on Double Line in Absolute Block System, the Speed of First Train is..... KMPH.

- A. 15
- B. 25
- C. 40
- D. None of these.

87. Single Line Working on a Double Line in the Automatic Block System, the speed of the Subsequent Train isKMPH.

- A. 15
- B. 25
- C. Booked Speed
- D. None of these.

88. Latest correction Memo to GRS is _____
- A. 3
 - B. 2
 - C. 1
 - D. Nil
89. Number of chapters in BWM 2022 is _____.
- A. 6
 - B. 10
 - C. 11
 - D. 12
90. Periodicity of O&E in LCs with PSC sleepers
- A. 3 years
 - B. 2 years
 - C. 4 years
 - D. 6 Months
91. During failures of Axle counters in Automatic Section provided with MSDAC resetting is to be applied after ensuring _____
- A. Section is clear of all Trains
 - B. Section is clear Trains
 - C. failed section is clear of Trains
 - D. None of these
92. Trail through of Points are classified under _____ class of Accident
- A. "E"
 - B. "J"
 - C. "R"
 - D. G
93. SS/SM/P. Man to write declaration after a period absence _____ days
- A. 14 consecutive
 - B. 12 consecutive
 - C. 7 consecutive
 - D. 15 consecutive
94. The backing of Trains in Automatic territories is _____
- A. Not permitted
 - B. permitted under special instructions
 - C. prohibited
 - D. Requires permission of Authorised Officer.

95. POM in accident site stands for _____
- A. point of mount
 - B. point of measurement
 - C. periodicity of maintenance
 - D. prohibition of movement
96. The Accident inquiry Committee will submit its report in forms _____
- A. ACC-4
 - B. 5.60
 - C. ACC 18 A-K
 - D. ACC 7
97. The details of disconnection/reconnection notices are recorded in _____
- A. Station diary
 - B. TSR
 - C. Disconnection/reconnection registers
 - D. None of these.
98. SWR Rule diagrams are prepared based on _____
- A. SIP
 - B. ESP
 - C. Operating manual
 - D. BWM
99. The minimum distance for fixed implantation from track centre
- A. 2.36 m
 - B. 5 m
 - C. 2 m
 - D. none of these
100. The Disaster management Board at Stations/Control Office are kept as per _____ Chapter of Accident Manual.
- A. Chapter III
 - B. Chapter II
 - C. Chapter X
 - D. ACC form VI
101. When was the Official Language Act 1963 Passed?
- A. 10.06.1963
 - B. 14.09.1949
 - C. 14.06.1949
 - D. 10.05.1963

102. When is Hindi Day celebrated every year?
- A. 10th June
 - B. 10th May
 - C. 14th September
 - D. 14th May
103. What is the Official Language of Union of India?
- A. Hindi
 - B. English
 - C. Tamil
 - D. Sanskrit
104. Communication between of One Ministry or Department of the Central Government and another may be in which language as per Section 4 (a) of the Official Languages Rules 1976?
- A. In Hindi or in English
 - B. In Hindi and regional language
 - C. In English and regional language
 - D. In English only
105. Which part of the Constitution contains provision regarding Official language?
- A. Part X
 - B. Part XII
 - C. Part XV
 - D. Part XVII
106. The state of Tamilnadu is coming under which region as per Official language rules?
- A. Region A
 - B. Region B
 - C. Region C
 - D. Region D
107. In which order are the Station announcements made?
- A. Bilingual (Hindi & English)
 - B. Only Hindi
 - C. Trilingual (Regional, Hindi & English)
 - D. Bilingual (Regional & English)

108. Who is the Chairman of Town Official Language Implementation Committee (Offices)/Chennai?
- A. General Manager/Southern Railway
 - B. Divisional Railway Manager
 - C. PCPO
 - D. Sr.DOM
109. What is the Official language of Arunachal Pradesh?
- A. Hindi
 - B. Assamese
 - C. Sanskrit
 - D. English
110. What is the English word for the Hindi word "Pareeksha"?
- A. Circular
 - B. Course
 - C. Examination
 - D. Correspondence
