

SOUTH CENTRAL RAILWAY

**TRACTION ROLLING STOCK
OPERATIONS
SECUNDERABAD**



**QUESTION BANK
For
CHIEF LOCO INSPECTORS
SELECTION**

**Sr. DIVISIONAL
ELECTRICAL ENGINEER
SECUNDERABAD**

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Model Question Paper
Written Examination for selection of Chief Loco Inspector
SC Division

Max. Marks:100

Time: 3 Hrs.

Instructions:

The question paper is divided into 2 groups (A&B).The candidates are advised to attempt both the Groups.

Group – A

I. Answer any 10 of the following. All the questions will carry equal marks.

10x5=50

- 1 Draw a neat sketch of pantograph
- 2 Write the troubleshooting for **external fault** indication in static converter provided locos?
- 3 Write the No. of all standard form forms used in D&AR
- 4 How many types of switches provided in electric locomotives and explain each of them.
- 5 Write about exchanging of **alright signals**
- 6 a) What are the occasions that auto-regression of GR takes place write with trouble shooting?
b) How many ways relay Q118 will energies?
- 7 How you will improve the 'C' grade loco pilot to higher grades.
- 8 What is the procedure to impose minor penalty
- 9 a) Distinguish between Excluding and Continuous category
b) Distinguish between Supernumerary posts and Temporary post
c) Write the entitlement restrictions of various passes to running staff
- 10 a) List out the categories under HOER and indicate rostered hours of each category?
b)Expand the following
1) RITES 2) IRIEEN 3) COFMOW 4) RDSO 5) CORE 6) FOIS 7) COIS 8) IVRS 9) CRIS 10) IRISSET
c) How many employees are required if 2 members working in a shift of 12 hrs roster and 8 hrs roster
- 11 Being a first official to the accident spot of train passed a stop signal at 'ON' how you will deal the situation.
- 12 a) Name of the Articles of constitution under which provisions for official language are made
b) Explain the Rule 12 of the official language Rules, 1976.

14. How many wagons hand brakes shall be applied before detaching TE of a train in station limits where the gradient is steeper than 1/260 () A: BV + 12 wagons B: BV + 06 wagons C: Only BV D: BV + 18 wagons

Duties of staff on arrival 4.57 A

15. In the event of engine Horns failure, on clearing the block section cautiously, if the driver is unable to repair, then he shall ()
A: Work onwards on same condition B: Ask for relief engine
C: Ask PCO number D: None of the above

16. One of the following is not a personal equipment of the driver ()
A: Red flag B: Green flag
C: whistle D: Working Time Table

17. On telephone pole brackets, the wire painted in Green colour connects to ()
A: Deputy control line B: Section control line
C: Power controller line D: Commercial controller line

18. On single line immediately after the arrival of a stopping train, the points in rear and in front shall be set _____ line. ()
A: For the loop line B: To the occupied mainline
C: Against occupied line D: Against siding line

19. On Electrified territory the telephone connection provided on electric Masts, connects to ()
A: Power controller B: Traction power controller
C: Commercial controller D: Deputy controller

20. Normally, the material train shall be ordered by _____ time only. ()
A: Night B: Day
C: Foggy and tempteous weather D: None of these

III. Fill in the blanks. All questions will carry equal marks. 30x1=30

1. If any fault exists Aux.power circuit of microprocessor loco, that will be indicated through _____
2. RGEB2 connected on _____ pipe line
3. The speed of the relief engine during night time in absolute block system____
4. Authority to pass advance starter in double line automatic system _____
5. Beyond _____ years age son not eligible for privilege pass.
6. Number of post retirement passes for group-‘C’ 33 years service completed retired employee is _____
7. _____ is suspension revoked standard form.
8. A retired Railway employee shall not have morethan _____ cases to act as defence helper.
9. The running staff roster under HOER comes under _____
10. The intensive roster staff working hours per day will be_____
11. The workmen compensation act in force with effect from _____
12. Expand the PNM _____
13. Maternity leave will be sanctioned for ____ days for _____ employees.
14. ____ days shall be admissible for leave encashment.
15. A Railway employee after retirement may permit ____ days to retain the Railway quarters.
16. Expand LHAP_____
17. After ordering within _____ minutes the ART should leave.
18. The running staff _____national holidays may be availed in a calendar year
19. The abbreviation of RDSO _____
20. The running staff member after attaining of 45 yrs. age should undergo for PME once in _____ years.
21. Lower pantograph caution order will be given during_____
22. When 'B' conk is defective_____
23. In ABCB loco, _____ coil is used for closing the DJ
24. While working with ‘A’ ending trouble loco, _____ relay should not be wedged
25. In WAG7 loco, VEULs energisation and time lag of last CP is maintained by _____
26. Improper working of ARNO will be known by _____ tripping failure
27. If C105 not closed, try by changing _____ switch to ‘3’ position
28. To avoid wheel skidding, _____ to be pressed, while applying A9

29. To create, maintain & destroy the vacuum in dual brake loco, _____ valve is used

30. If L1 or L6 not closed, _____ traction failure will be experienced

Question Bank for Chief Loco Inspector

SC Division

**Sub: Technical
Descriptive**

- 1 What are the duties of loco inspector (Ele.Traction)?
- 2 Draw a neat sketch of pantograph
- 3 Draw a neat sketch of cantilever assembly.
- 4 Explain the AC locomotive maintenance schedule for freight locos?
- 5 Explain the AC locomotive maintenance schedule for coaching locos?
- 6 What are current ratings in different AC locomotives of WAM4, WAG7 and WAG-5?
- 7 Draw the circuit diagram of DJ control circuit of static converter provided locos.
- 8 Draw the circuit diagram of DJ control circuit of vacuum circuit breaker provided locos.
- 9 Draw the circuit diagram of DJ control circuit of air blast circuit breaker provided loco.
- 10 Explain how the speed will increase during field weakening?
- 11 What the mechanism provided mechanically for raising and lowering of pantograph.
Explain with diagram
- 12 How many types of switches provided in electric locomotives and explain each of them.
- 13 Explain the parts of electro magnetic contractor and their function
- 14 Explain the parts of electro pneumatic contractor and their function
How many types of contactors are using in electric locomotives? Explain them briefly.
- 15 How many types of relays are using in electric locomotives? Explain them briefly.
- 16 Explain the importance of each part provided in pantograph.
- 17 Explain about the mechanism provided pneumatically to raise and lower the pantograph
with diagram
- 18 Write the troubleshooting for permanent and intermittent acting of QOP1?
- 19 Draw circuit diagram of tap changer circuit and explain how progression of GR takes
place.
- 19 Write the troubleshooting for permanent and intermittent acting of QOP2?
- 20 Write the troubleshooting for permanent and intermittent acting of QOA?
- 21 Write the troubleshooting for **external fault** in static converter provided locos?
- 22 Write the troubleshooting for QLM alone dropping.
- 23 Write the troubleshooting for QLM dropping along with QOP1 & QRSI1.
- 24 Write the troubleshooting for acting of QRSI1.
- 25 What are the occasions for dropping relay QLA and write the troubleshooting.
- 26 During RB application explain how IP valve (electrical) is maintained in energized
condition and how BP pressure drops if OHE fails, explain with circuit diagram.
- 27 During RB how the traction motors are connected to RSI block and why?
- 28 How will you troubleshoot if DJ trips with QOA acting and smoke from switch panel.
- 29 What is LTBA? How will you troubleshoot if CCBA repeatedly melting.
- 30 What are the protective equipment provided in RB and explain them their function?
- 31 What are the occasions that auto-regression of GR takes place write with trouble
shooting?
- 32 Write troubleshooting for melting of CCA even with HOBA Off.
- 33 What are the reasons for wheel skidding and write preventive measures?
- 34 What are the items to be checked after a fire accident in locomotive?
- 35 Draw a pneumatic circuit of SA-9
- 36 Draw a pneumatic circuit of BP charging and explain how BP Pressure will be charged
- 37 Draw neatly the MTDJ control and explain the importance of safety relays on the circuit?
- 38 If MVMT1 or 2 doesn't start, what will happen in the control circuit? Explain with a

- diagram.
- 39 During RB working how the field winding is excited. Explain with a sketch?
 - 40 What is the significance of QVLSOL relay in MU locos? Explain with a circuit.
 - 41 Explain the working system of SA9 in single loco and MU locos.
 - 42 List out the preventive maintenance schedule and their periodicity.
 - 43 Write the items which will cover in trip inspection of A.C.Loco.
 - 44 What are all the latest technological developments available in electric locomotive? Explain with merits of such developments.
 - 45 What is the difference between Rheostatic braking & Regenerative braking? Where regenerative braking is used. Explain with a block diagram
 - 46 What is the difference between primary suspension & secondary suspension? Explain with illustration.
 - 47 What is the difference between wheel slipping and wheel skidding and when they will be experienced? Why the skidded locos are not permitted on line?
 - 48 What are the various parameters recorded during IC schedule on a WAM4 locomotive?
 - 49 Draw the power circuit of WAG-7 and indicate ratings of various protective devices
 - 50 Explain the procedure for checking leakage in BP circuit & FP circuit.
 - 51 What are the items to examine during Pantograph entanglement?
 - 52 What are reasons for MR Pressure not building?
 - 53 Write the procedure of vacuum blockage and leakage tests.
 - 54 How synchronization of notches will be in done MU locos? Explain with sketch.
 - 55 Write about WAP-4 Bogie?
 - 61 Write about WAG-7 Bogie?
 - 62 Write about WAG-5 Simplex Bogie?
 - 63 Why Low tension test is needed and write the procedure of conducting LT test?
 - 64 Write the ill effects if DJ not tripped at Neutral section?
 - 65 Write about WAG-7 Bogie?
 - 66 What are readings to be taken incase of loco derailment?
 - 67 Explain the working of brake system employing a) friction braking b) Electric braking
 - 68 Write short notes on Pantograph ,Tap Changer and Silicon Rectifier
 - 69 In MU operation how the MTDJ of rear loco getting feed from Leading loco. explain with circuit diagram
 - 70 What are the loco defects will cause wheel skidding?
 - 71 What is the Safety items provided at under frame of locomotives?
 - 72 Explain the working principle of ARNO.
 - 73 Explain the working C-2 Relay valve.
 - 74 What is the function of RPS in Power Circuit and why Inductive shuts are provided in Electric Locomotive?
 - 75 Name the relays & pressure switches in AFL circuit and indicate their function with diagram?
 - 76 Explain how Power block will be taken?
 - 77 What are equipments to be examined in under gearing of locomotive?
 - 78 What are the items to be checked in a derailed loco?
 - 78 What is the arbitration of providing an ALP in AC locos
 - 79 What is LT Test and explain how it will be conducted?
 - 80 Draw the feeding circuit diagram of traction sub station.
 - 81 What are the silent features of thread breaking unit?
 - 82 What are the items to be checked in under gearing by the crew while taking over loco from shed.
 - 83 What are the newly provided and removed items in locos which are replaced SIV in

- place of ARNO?
- 84 What are the lamps provided on the panel of Siemen's make SIV unit and explain them briefly?
 - 85 Write the procedure of trouble shooting when "external fault lamp glows" on SIV unit?
 - 86 Write the procedure of trouble shooting when "internal fault lamp glows" on SIV unit?
 - 87 Write the procedure of trouble shooting when "OHE out of range lamp glows" on SIV unit and duties of loco pilot?
 - 88 Write the trouble shooting procedure with neat sketch when SIV not picking up?
 - 89 Draw the neat diagram of SIV provided DJ control circuit (ABCB) and name its parts?
 - 90 Draw the neat diagram of SIV provided DJ control circuit (VCB) and name its parts?
 - 91 Write all the tripping failures in a tabular column with trouble, abnormal sign and probable causes for SIV provided ABCB provided conventional loco?
 - 92 Write all the tripping failures in a tabular column with trouble, abnormal sign and probable causes for SIV provided VCB provided conventional loco?
 - 93 What are the main advantages of SIV comparing with ARNO?
 - 94 Write the procedure of trouble shooting for ICDJ in MPFDCS provided conventional locos?
 - 95 Write the procedure of trouble shooting for TLTE in MPFDCS provided conventional locos?
 - 96 Draw the power circuit of WAG 9 loco
 - 97 What are the different three phase auxiliary motors provided in three phase loco, write their locations, purpose and their circuit breakers?
 - 98 Explain about batteries in three phase loco
 - 99 Narrate about VCD.
 - 100 What are the different brakes provided in three phase loco?
 - 101 How to drive the loco?
 - 102 What will happen if emergency stop button is pressed and how will you re-set it?
 - 103 How to change the cab?
 - 104 How to pass the neutral section?
 - 105 If F0301P1 (Disturbance in traction converter No.2) is appeared on screen how will you trouble shoot and work further?
 - 106
 - 107 How load sharing is done if anyone of the auxiliary converter is isolated? 12. Explain the bogie of WAG 9
 - 108 Explain about pantograph and it's working 14. Explain the working of parking brake
 - 109 If both side head lights are not working from cab2 how will you trouble shoot?
 - 110 What are the different single phase auxiliary motors provided in three phase loco, write their locations, purpose and their circuit breakers?
 - 111 What are the items provided in machine room No.1?
 - 112 Explain about harmonic filter
 - 113 How to work the train in PTDC mode in knorr brake loco?
 - 114 What are the items provided in panel 'B'?
 - 115 What are the occasions to switch OFF control electronics?
 - 116 Explain the working of sanders in three phase loco
 - 117 How to switch OFF control electronics?
 - 118 How to pass the neutral section with MU?
 - 119 How to check the loco while taking over charge at Crew changing point?
 - 120 How to do the braking?
 - 121 Explain about potential transformer
 - 122 Explain the bogie of WAP 5

- 123 What do you mean by service penalty brakes and how will you reset it?
- 124 Where auxiliary manifold is located and what are the items provided in this?
- 125 What are the advantages of three phase loco?
- 126 Draw the power circuit of modified WAP 7 loco
- 127 If train is parted what will happen in the loco and how to work further?
- 128 What are the items provided in panel 'A'
- 129 Explain about cooling concept in three phase loco
- 130 What are the working items in non-working cab?
- 131 How to re set ASS make MCS?
- 132 How transformer is protected from temperature?
- 133 What happens if alarm chain is pulled and what will you do?
- 134 Explain about fire protection in the locomotive 41. How to energise the loco?
- 135 Explain about self hold mode
- 136 How to perform shunting with three phase loco? 44. Explain about memotel.
- 137 How loco is protected from less or no voltage?
- 138 If F0801P1 (Disturbance in auxiliary converter No.3) is appeared on screen how will you trouble shoot and work further?
- 139 How to make engine on train with three phase loco?
- 140 How to check the DDS?
- 141 If LSCE is glowing on run what you will do?
- 142 What is the maximum braking and tractive effort values of various three phase locos?
- 143 Explain the bogie of WAP 7
- 144 How to check the loco brake power?
- 145 What are the items provided in machine room No.2?
- 146 Explain the working of direct brake
- 147 If F0701P1 (Disturbance in auxiliary converter No.2) is appeared on screen how will you trouble shoot and work further?
- 148 If throttle is not working how to work the train?
- 149 How to re-set MG make MCS?
- 150 Where air brake manifold is located and what are the items provided in this?
- 151 How to work as banker?
- 152 What are the items provided in panel 'C' ,
- 153 If both side head lights are not working from cab 1 how will you trouble shoot?
- 154 Explain the bogie of WAP 5
- 155 How proportional brakes will work in three phase loco?
- 156 If F0601P1 (Disturbance in auxiliary converter No.1) is appeared on screen how will you trouble shoot and work further?
- 157 Explain about constant speed control feature in the loco
- 158 Draw the power circuit of WAP 5 loco
- 159 What are the sub systems are provided in the loco?
- 160 What are the differences between priority 1 and priority 2 messages?
- 161 If F0201P1 (Disturbance in traction converter No.1 is appeared on screen how will you trouble shoot and work further?
- 166 What is trailing mode and how to work in this mode?
- 167 What are the items provided in panel 'D'
- 168 How to move the loco as dead?
- 169 What are the items in pneumatic panel?
- 170 Explain about mode switch of knorr brake loco
- 171 What are the oil points available for three phase loco?

Question Bank for Chief Loco Inspector
SC Division

**Sub: Technical
Objective**

1. Setting of QLM relay in WAG7 loco is..... amps against a power circuit current of ...
2. CT ratio of RSILM in WAG5 loco is....
3. One end of QOA relay is connected to..... and the other end to....
4. Power rating of WAG7 main transformer is and for WAG5 is
5. DJ will close, when QPDJ pressure is at Kg/cm² and will trip when it comes to Kg. /cm².
6. Which relay ensures that DJ is closed only on no load?
7. The wheel diameter on new Mm and permitted up to mm
8. Permissible root wear is mm and the flange wear is mm.
9. Setting of QD relay in WAG7 loco is ... A
10. Notch by notch progression is ensured by Relay
11. SMGR control circuit is protected from earth fault by control fuse and the fuse rating is
12. Schedule is carried out on electric locomotive at the nominated workshops.
13. Type of motor used in WAG9 locos for traction purpose.....
14. Rating of each battery in locomotive is ... and the total voltage is V
15. LSDJ flickering is the symptom of
16. Q-30 relay is termed as.... and it will cause tripping of DJ through
17. Continuous current rating of TAO659 TM isamps and 10 min. rating is
18. Continuous current rating of Hitachi TM isamps and 10 min. rating is
19. Conjunction brakes on locos gets applied through valve
20. Brake application through A-9, BC pressure goes up tokg/cm² inseconds.
21. Permissible piston stroke on BC cylinders during brake application is
22. Type of cut out cock used in bogie brake isolation is
23. Q20 is termed as.....relay and its setting isV
24. Auto regression will take place when DJ is tripped on notches, throughrelay
25. QCVAR connected across..... & terminals.
26. Relay QCVAR picks up atVolts to opencontractor
27. Setting of P2 pressure switch in AFL circuit is& kg/cm²
28. During progression & regression will close on all ½ notches and will come into circuit.
29. Sequential closing of CGRs achieved througharrangement.
30. Tap changer taps are making & braking on no load is ensured by
31. Transition time of GR contracts from one tap to another tap is
32. If GR stuck up in ½ notch due to any reason for more than sec. then
33. Expand the abbreviation ESMON.....
34. Medha make ESMON module will have a short term memory ofhours and a long term memory of
35. AAL make ESMON module is termed as and its short term memory is

-
36. SEC is the emergency consumed by a locomotive forGT.KM
 37. Use of Rheostatic braking will minimize on brake gear.
 38. Change over of working between braking traction takes place by
 39. On load operation of reversors & CTFs are avoided by relay
 40. Relay QE monitors thecurrent and QF relay monitors thecurrent.
 41. If CCLS fused..... lamps will not glow and valves will not energise.
 42. To avoid wheel slipping at the time of starting on heavy loaded trainsswitch is put on to energiserelay
 43. Locos fitted with static inverters if external fault indication display on SI unit, then check forequipments other than auxiliaries.
 44. Time to build upkg/cm² by MCP in normal working condition isminutes.
 45. Time delay in closing contractors C107, C105 & C106 issec.
 46. C108 Contactor controls ----- Motor
 47. Buffer height limits-----
 48. Rail guard height is -----
 49. In twin Beam headlight the rating of bulb is _____
 50. In a twin beam Head light, what is the voltage of bulb in “dimmer” Operation.
 51. What is the advantage of twin beam headlight system
 52. What is class of Insulation specified for 180 degree temperature:
 53. At the time of wheel slip, the object of sanders is to
 54. Specific gravity of electrolyte is measured using:
 55. DC series motor is used for traction purpose because
 56. Horse power of a TAO 659 traction motor is
 57. Battery negative is connected to loco body through
 58. The speed control method used in AC locomotive
 59. KVA rating of TFP used in WAG7 & WAP4 locos is
 60. Hitachi Traction motor is a _ pole ____ motor
 61. What type of bearing is used in WAG7 loco axle box?
 62. The time interval between IA and IB schedule of WAG5 loco is_____days
 63. The lubricant used in suspension bearing of a TAO motor is.....
 64. Gear ratio of WAG7 loco is
 65. Max.starting torque offered by WAG7 loco is
 66. Purpose of inter pole in the traction motor.

67. The rating of ATFEX is _____ KVA.
68. RHOBA resistance is _____ ohms
69. In WAG5A loco the FP leak hole drop is allowed up to _____
70. In WAG5A loco the standard setting of QPDJ cut in/cut out _____
71. In WAP4 loco the standard setting of RGEB 2 cut in/cut out _____
72. In WAP4 loco the Duplex check valve is set at _____
73. Pinion and bull gear ratio of a WAG 7 loco is _____
74. Capacity of battery provided in electric loco is _____ amph
75. Bibby Coupling is provided to couple _____
76. The class of insulation used in Hitachi Traction Motor is _____
77. The setting value of QD relays ____ DC amps pick up ____ DC amps drop out
78. The ratio of RSILM in WAG7 is _____
79. The ratio of TFILM in WAG7 is _____
80. What is the Gear ratio of a wheel set in WAP4 _____
81. What is the diameter of an Axle _____?
82. What is the height of the buffer _____?
83. What is the height of the rail guard _____?
84. Periodicity of AOH schedule for freight locos _____
85. Periodicity of IOH schedule for freight locos _____
86. Periodicity of POH schedule for freight locos _____
87. Periodicity of IC schedule for freight locos ____
88. Periodicity of IB schedule for freight locos _____
89. Periodicity of POH schedule for coaching locos ____
90. Periodicity of IOH schedule for coaching locos _____
91. Periodicity of AOH schedule for coaching locos _____
92. Periodicity of IC schedule for coaching locos _____
93. Periodicity of IB schedule for coaching locos _____
94. Transformer breather used for _____
95. The HP of MVSL is _____
96. The maximum rpm of a Hitachi Traction Motor is _____
97. The position of CGR contactors in between notches are -----,----- and ----- respectively
98. Main transformer is having _____ number of taps totally.
99. Flickering of LSDJ is called _____ tripping failure.
100. In WAG-5, If MVSL-1 is burnt work the train by _____
101. If C-118 is closing ,but DJ not closing then keep ____ & ____ and try
102. Poly glass material projecting from vent mesh of TM is called as _____
103. Time required to travel for GR from 0-32 notches is _____
104. When there is Operation 'O' trouble, clear the section by placing _____

105. MPS can be operated from _____ notch for field weakening
106. Q46 energises when _____
 107. Feed pipe is painted with _____ colour.
 108. Purpose of RPS is _____
 109. Whenever QCVAR becomes defective, starting phase to ARNO to be cut off by de-energizing _____
 110. If C-105 is not closed, _____ failure will be experienced
 111. After closing DJ, if C-118 coil not de-energised, it leads to _____
 112. Permanent de-energisation of Q52 leads to _____ traction failure
 113. When DJ is opened on notches auto regression takes place by _____ relay.
 114. If MVMT-1 is defective, _____ tripping failure will be experienced
 115. If MVSI-1 is defective, _____ tripping failure will be experienced
 116. Maximum RB Current rating for WAG-5 is _____ Amps
 117. In WAG-5 loco, maximum MR pressure is _____ Kg/cm²
 118. Melting of CCPT causes _____ tripping failure.
 119. When ZPV on '3', _____ contactor will isolate & _____ PV will isolate
 120. Auto-regression on 1st notch with LSP due to _____
 121. Earth fault in SL 1 causes _____
 122. Direct auxiliaries are provided to protect ARNO from _____
 123. OHE of AC Traction is fed by _____
 124. Volt meter is connected in _____ to the circuit
 125. Autotransformer is used to get _____ voltages in our locomotive.
 126. Resistance is _____ proportional to cross sectional area of the conductor.
 127. In electric traction loco, Traction motors are _____ type
 128. Rate of flow of current per sec. in the circuit is called _____
 129. Electrolyte used in cells of electric loco battery is _____
 130. Intentional bonding is done through _____
 131. In air flow indicator white needle called as _____ and red needle called as _____
 132. DC Motor working principle _____
 133. When Q44 is wedged, _____ to be avoided
 134. Earth fault in MVSL-1 causes tripping of DJ through _____ relay.
 135. In modified panto circuit, when DJ locked mechanically, then Pantograph _____
 136. Pantograph is mounted on _____ number of base insulators
 137. Single bottle vertical type VCB control circuit will have _____ number of branches
 138. In VCB loco, if DJ trips just before releasing BLRDJ, conclude _____ I/L is defective
 139. For Twin pipe air brake system _____ & _____ air hoses to be coupled.
 140. TFWA feeds _____ Volts of supply to ARNO
 141. ET-1 and ET-2 are to protect against _____
 142. QRSI will not allow more than _____ Amps. in WAG-5 loco.

143. When Q20 is energised, _____ lamp will glow.
144. In modified WAG-5 loco, U-1 is connected to _____ Traction Motor
145. QOP is provided in _____ circuit
146. RF resistances are cooled by _____
147. To test the condition of a fuse, _____ is provided
148. LSB controlling relay is _____
149. If CHBA fails _____ lamp will glow
150. If Q51 energises, _____ takes place
151. When HCP is kept on '2' position, _____ coil gets energised.
152. QWC relay remains energised as long as _____ is pressed when GR is on '0' or 1st notch then, automatically de-energises after 10th notch in WAG7 locomotive.
153. When PSA is pressed from Cab-1, VESA No. _____ & _____ will energise.
154. While starting loaded train, _____ & _____ switches to be pressed to avoid QD action
155. Purpose of staggering arrangement of OHE contact wire is _____
156. In WAG7 loco, location of C2B relay valve is _____
157. If _____ relay de-energises, loco brakes will not release by pressing PVEF.
158. Earth fault in Q119 coil causes _____
159. In WAP4 loco, to isolate TM 4 _____ switch to be kept on _____ position
160. In electrified section, when ATD is provided only at one end, it is known as _____ type of OHE
161. In DC-DC converter, twin beam headlight provided with _____ lamps/ bulbs
162. Current rating when MVRH is isolated is _____ Amps in WAG 5 locomotive.
163. Defective QCVAR causes _____ tripping failure.
164. In Static converter loco, 3 E.M. contactor for MVRF is _____
165. If any un-loader valve is stuck up and discharging air, trouble can be overcome by _____
166. In WAG5, if duplex check valve is defective _____ will not work
167. If rear cab BL is not locked properly, it leads to _____
168. If QPH is defective, work the train by keeping _____ on _____ position and duly follow necessary precautions
169. Earth fault in CHBA causes _____ relay to energise
170. In microprocessor loco, fault, if any, will be indicated through _____
171. During RB, earth fault in RF resistances cause _____ relay to energise in WAG 7 loco.
172. When A9 is applied to emergency, the pressure admitted to loco brake cylinder is _____
173. In WAG5, hand brake will apply brake blocks of _____ wheels
174. In Static converter loco, _____ should not be wedged under any circumstances
175. For quick recharging of BP pressure, _____ switch to be pressed
176. In Microprocessor loco, during ICDJ _____ fuses to be checked
177. Puncture of diode in RSI block causes _____ lamp to glow
178. Total number of roof bars including hand operated Roof Bars in WAP-4 loco is _____

179. RGR is connected between _____
180. Airflow measuring valve is connected between _____ & _____
181. In Static converter loco, in VCB type DJ control circuit, C118 I/L is replaced with _____
182. 'NO TENSION' is experienced due to _____ defects on loco roof
183. If Q30 N/O I/L is defective _____ relay can be wedged to work the train further
184. If LSCHBA glows on run, _____ & _____ to be checked.
185. Q44 is called as _____ relay
186. If twin beam headlight is not working, _____ switch position to be changed
187. Notch by notch progression or regression is done by _____ relay
188. While wedging AC 3 contactor, ensure _____
189. Defective Q 50 causes _____ traction failure
190. If RSI –1 draws over current, DJ will trip through _____ relay
191. Setting of SS-1 is _____ kg /cm²
192. During blockage test, vacuum should not create more than _____ cm, in train pipe
193. In WAG5, to isolate TM1, _____ bit to be wedged
194. Pilot lamps does not glow, when _____ conk disconnected
195. Operation B part - I trouble is caused due to _____ even though HVSL 1&2 and HPH kept on 3 position
196. Defective Q30 causes _____
197. When CCA melting repeatedly even with HOBA in OFF position _____
198. While operating MP to Traction side, from Braking side _____
199. C-118 closing in LT, but not closing in HT. Reason may be _____
200. Earth fault in QCVAR causes _____
201. If L3 opens on run, _____ will happen
202. In WAM 4P-6P loco, if HPH kept on '0', _____ Current rating to be followed
203. On dual brake loco, if CCLS is melting even HOBA in OFF, to avoid TLTE, _____
204. Traction motor starting current for WAG-7 Loco is _____
205. Precautions while working with Manual operation of GR _____
206. If LPAR glowing on run along with buzzer check _____
207. Short circuit in TFWR causes _____
208. When Head light is failed, speed of the train should not be more than _____ Kmph
209. Earth fault in MVSI-1 causes _____
210. When MP moved from Braking to Traction, if TLTE experienced , check _____
211. Reason for Operation 'A' ending part – II is due to _____
212. While closing DJ, earth fault in TFWA causes _____
213. QD-2 is connected between _____ & _____ Traction Motors in WAP-4 loco
214. QD actions are _____
215. MR-3 pressure is admitted into brake pipe through _____ valve in WAG-5
216. Earth fault in C-118 coil causes _____

217. On VCB loco, defective C-118 N/O I/L causes _____
218. While working MU, defect in the rear loco will be noticed by _____
219. During MU operation, if CCPT melting repeatedly in leading Loco, _____
220. Pantograph is not raising due to _____
221. Location of Pantograph lowering spring is _____
222. When MPJ 2 is kept in forward direction, _____
223. If pantograph raising spring is broken and fallen on loco roof, it causes _____
224. While passing neutral section, ensure _____
225. While working MU, if leading Loco GR is defective, it causes _____
226. Normally, starting phase to ARNO cut off automatically by _____
227. Cut in the TFWA winding causes _____
228. The electrical braking is effected by _____ contactors
229. The total No. of auxiliary motors on WAG-5 dual brake loco are _____
230. If Dropper is found hanging, the immediate duty is _____
231. RSI-2 block supplies current to _____ in WAP-4 loco
232. On opening BLVMT blowers will are not stopping due to _____
233. ICDJ trouble will be experienced due to _____ fuses melting
234. If 'C' conk is slack _____ will not work.
235. Proportional working can be isolated by closing _____ COC
236. Speed of the train while driving from rear cab by Driver is _____
237. Purpose of VA-1 release valve in WAG-5 loco is _____
238. If auto regression of GR experiences & exhausters stops working , check _____
239. Appropriate air pressure in the system is maintained by _____
240. HS-4 pressure should be always between _____
241. Earth fault in MVRF during RB causes energising of _____ in WAG 7 locomotive
242. A34 terminal cut causes _____ traction failure.
243. Loco earthing switch is _____
244. Ignoring of banding failure takes place in Traction Motor may leads to _____
245. Slipped pinion causes _____
246. When locked axle takes place in mid section _____
247. In WAG 5, if HMCS-1 is placed on '3' position, _____
248. Purpose of A-1 Differential valve is _____
249. On run heavy flashes are noticed from Panto _____
250. Breaking of roof insulator or base insulator leads to _____
251. When there is Earth fault in VEPT-1 coil _____
252. Procedure of isolating RSI 2 in WAG5 loco is _____
253. In WAG 7 loco, QD 2 is connected between _____ & _____ Traction motors
254. WAP4 Loco will have _____ type of bogie
255. In WAG 7 loco if RSI2 exceeds an over current of _____

256. If only 6 Shunting contactors are provided in WAG-5, they are meant for _____
257. LSB glows and extinguishes when MP is placed on 'P' due to _____
258. RF resistances are provided _____
259. Location of ATFEX in WAG-5 is _____
260. On releasing SA9, pressure in the brake Cylinders will escape through _
261. On notches DJ tripped. After closing DJ, if TLTE is experienced, ____
262. The purpose of QTD101 relay is _____in static converter locomotive
263. Additional fuse provided in loco is _____
264. Setting of QLM in WAG 5 loco is _____ Amps.
265. Total number of DC motors on WAG5 loco are _____
266. RSI-2 block supplies Current to _____ in WAP4 loco
267. In WAG7 loco maximum number of traction motors can be Isolated at one time is _____
268. Minimum pressure required for energising of any electro valve in loco is __ kg/cm²
269. Working pressure of SMGR ____ kg/cm²
270. GR Full notch Protection relay is _____
271. MCB TFS is related for the function of _____
272. Normal Height of contact wire from Rail level is _____
273. Minimum amount of Vacuum to be created with 8 mm leak hole test plate
With in 30 seconds is ____ Cm.
274. Message conveyed through Emergency Telephone is to _____
275. On run if CCBA fuse melts, ____
276. Length of Section Insulator type Neutral Section is _____ Meters
277. When GR on 21st notch, if MP is brought to '0' _____
278. QCVAR is provided for the protection of _____
279. In dead loco, to avoid wheel skidding _____ to be isolated
280. Position of A8 COC, while working with cab2 leading is ____
281. If time taken to pass One km is 80 seconds, the speed of the train is____ Kmph.
282. Standard span length between two Traction masts on straight line _____ Meters
283. QLM is available in _____ circuit
284. To over come A-ending Part-II, _____ wires to be looped and follow necessary precautions.
285. DCP type fire extinguisher can be used for _____
286. If C-118 is closing in LT but not closing in HT, _____ wires to be looped and follow the precautions as like Q44 wedging.
287. Fire extinguisher used on Electric traction loco is _____
288. Earth faults in SL-2 causes tripping of DJ through _____
289. Lower pantograph caution order will be given during _____
290. When 'B' conk is defective _____
291. In ABCB loco, _____ coil is used for closing the DJ
292. While working with 'A' ending trouble loco, _____ relay should not be wedged

293. WAP-4 loco will have _____ number of Main reservoirs
294. R-1 COC location in WAP-4 loco is _____
295. To isolate TM No. 6, _____negative bit to be packed in WAP 4 loco (with out RB)
296. Total number of brake cylinders provided in WAP-4 loco is _____
297. Type of bogie provided in WAM-4 loco is _____
298. Horsepower of WAP-4 loco is _____
299. In WAG7 loco, VEULs energisation and time lag of last CP is maintained by _____
300. Improper working of ARNO will be known by _____ tripping failure
301. If C105 not closed, try by changing _____ switch to '3' position
302. To avoid wheel skidding, _____ to be pressed, while applying A9
303. To create, maintain & destroy the vacuum in dual brake loco, _____ valve is used
304. If L1 or L6 not closed, _____ traction failure will be experienced
305. If train is expected to stop for _____ minutes or more, blowers to be switched OFF, to conserve energy
306. Earth fault in auxiliary control circuits causes, melting of _____ fuse
307. If Banding failure is experienced, clear the section with _____ KMPH of speed
308. Before conducting LT test, ensure _____
309. Modified locos will have _____ relay, in place of C118 chronometric I/L
310. To avoid QD action in microprocessor loco, _____ switch to be pressed
311. If SL2 had earth fault, DJ will trip through _____ relay
312. Modified Pantograph pan will have, _____ in place of wearing strips
313. If pilot lamps are not working, _____ & _____ fuses to be checked
314. If C145 coil is having earth fault _____ fuse will melt.
315. Modified RGCP setting is _____ Kg/cm²
316. Defective Air Dryer leads to _____
317. Unless GR is in _____ notch, DJ cannot be closed
318. In WAG 5 loco, If all line contactors are not closed, check _____COC
319. If C107 contactor not closed, _____ tripping failure will be experienced
320. For wedging Q44, _____ permission is required
321. While working MU, glowing of LS group lamp in leading loco indicates _____
322. If, BLRDJ is defective, close the DJ by pressing _____
323. QD1 energises at _____ amps in modified locos.
324. If any foreign body is hanging from OHE, the immediate duty of driver is _____
325. To isolate TM4 in WAP4 loco(RB provided)_____ negative bit to be packed
326. Horse power of WAG-7 is _____ HP.
327. Earth fault in MVMT1 causes tripping of DJ through _____ relay
328. To check AFL, _____ switch to be pressed
329. While working EEC operation, ZSMS to be kept in _____ position in WAG5 loco.
330. In WAM4P loco, _____ No. of motors will start along with ARNO

331. Location of R1 COC in WAG7 loco is _____
332. WAG7 loco is having _____ type of bogie
333. If Pacco switch is in pressed condition, _____ trouble will be experienced
334. Earth fault in C107 coil causes _____ tripping failure
335. Earth fault in S41 causes tripping of DJ through _____
336. In WAM4P- 6P loco, to isolate TM 4, _____ bit to be packed
337. Nomenclature of MU2B is _____
338. Location of A8 COC in WAG7 loco is _____ in modified locos.
339. In 58 BOXN+BV load, if 6 DVs are defective, the effective brake power is _____
340. Minimum Brake pipe pressure should be _____ Kg/cm² in locomotive and _____ Kg/cm² in brake van of a train having 58 vehicles
341. Minimum vacuum level should be _____ Cm in locomotive and _____ Cm in BV in goods train.
342. To work an air brake train with 59 vehicles, _____ No. of CPs to be kept in service
343. Minimum FP pressure should be _____ Kg/cm² in locomotive and _____ Kg/cm² in SLR of a 10 vehicles coaching train
344. In EP C-118 provided locos _____ relay is provided in auxiliary control circuits.
345. Q20 actions are _____
346. P1 is provided on _____ pipe line
347. If time taken 40 seconds to pass one KM, the speed is _____ KMPH.
348. In MU, _____ lamp glows in healthy loco and _____ lamp glows in defective loco
349. Starting Current ratings for 10 minutes in WAP4 loco is _____
350. On modified locos, TM meters connections in cab1 are _____ & in cab2 are _____
351. Earth fault in ARNO capacitor bank causes tripping of DJ through _____ relay.
352. In modified locos, ARNO is replaced with _____
353. In WAP4 loco, to isolate TM No.5 on negative side, _____ bit to be wedged.
354. In MU, _____ valve makes the rear loco also to create vacuum during recreation
355. By pressing SW1 or SW2, _____ relay will energise
356. If negative bonding is existing, LECC glows _____ with HOBA in "OFF"
357. When Driver is driving from rear cab & Asst. Driver is leading cab, the speed is _____
358. On modified WAP4 loco, RF resistances are cooled by _____
359. When ZPV on '4' position _____ Contactor will open
360. The length of PTFE neutral section is _____ Meters
361. Though MVRH is working, if QVRH is not energised, it leads to _____
362. Earth fault in SJ4 causes tripping of DJ through _____ relay
363. If CTF3 TR I/L is defective on line contactors control circuit causes _____ traction failure
364. Pressure setting of CP individual SS is _____ kg/cm²
365. GD80E filter is connected in between _____ and _____

366. Signaling relay for LSGR is _____
367. Capacity of CCA fuse is _____ Amps.
368. Tap changer control circuit is controlled by _____ fuse
369. The Condition of Q46 relay during Quick regression of GR is ____
370. If earth fault happened in relay Q119, _____ fuse melts.
371. Output supply of Static converter is _____
372. When BP drops and A9 is in release _____ starts functioning.
373. While working MU, BLSN to switched off at _____ board of neutral section
374. WAG7 TM current rating for 60 min. is _____ amps.
375. Static converter input supply is _____ volt & out put supply is _____ Volts
376. a7 & a8 Bushings are belongs to _____ Secondary Winding
377. Nomenclature of C2A is _____
378. In MU, _____ valve makes the rear Loco brakes to operate along with leading loco brakes.
379. If CCBA is melting when HOBA in OFF, check _____
380. In dead loco, J1&J2 handles to be kept in _____ position
381. During RB, if BC pressure is above 1.0 kg/cm^2 , _____ relay will de-energise
382. In WAP4, center pivot will carry _____% and Bolster will carry _____% of load.
383. Purpose of Anti Creep wire is _____
384. If QVMT2 is not energised, _____ tripping failure will be experienced
385. Earth fault in L2 leads to tripping of DJ through _____ relay
386. Capacity of RGR is _____ Ω
387. Input supply of Inverter of SI unit is _____
388. Purpose of pantograph pan tilting modification is _____
389. When accident is occurred, operate _____ switch of speedometer, after stopping.
390. If QE is energised, _____ will happen
391. Fault memory capacity of Medha make Microprocessor is _____
392. In Static converter loco, at neutral section, _____ switch only to be open in modified locos.
393. In WAG7, load bearers nearer & farer to center pivot will carry _____ % & _____% of load
394. Earth fault in C145 coil causes _____ fuse to melt in Static converter Loco
395. In Microprocessor loco, if main unit is not working keep HBA in '0' for _____
396. When CCSPM blown out, _____ will not work
397. Purpose of Additional CCBA is _____

Objective questions on three Ø loco

1. Three phase loco works on the principle of ()
 - a. VVVF
 - b. VFVF
 - c. VVVV
 - d. None of the above
2. WAG 9 loco is fitted with type of bogie. ()
 - a. Bo-Bo flexi coil
 - b. Co-Co Tri mount
 - c. Co-Co flexi coil
 - d. Co-Co tetra mount high adhesion
3. Three phase loco is provided with number of roof bars. ()
 - a. 2
 - b. 3
 - c. 4
 - d. 3+3
4. SS 06 belongs to sub system. ()
 - a. Auxiliary converter No. 1
 - b. Auxiliary converter No. 2
 - c. Auxiliary converter No. 3
 - d. Traction converter No. 1
5. To isolate panto No. 1 keep panto selector switch in position. ()
 - a. Auto
 - b. I
 - c. II
 - d. I & II
6. To put on flasher light to be operated. ()
 - a. AFL
 - b. BPFL
 - c. ZFL
 - d. Auto brake
7. SS 03 belongs to sub system. ()
 - a. Traction bogie 1
 - b. Traction bogie 2
 - c. Main power
 - d. Harmonic filter
8. Three phase scavenging blower filters dust from ()
 - a. Oil cooling blower
 - b. Bogie blower
 - c. Machine room blower
 - d. Oil cooling blower & Bogie blower
9. Parking brake facility is available to wheels in WAG 9 loco. ()
 - a. 1, 4, 5 & 8
 - b. 2, 6, 7 & 11
 - c. 2 & 11
 - d. 1, 6, 7 & 12
10. Maximum braking effort of WAG 9 is ()
 - a. 160 KN
 - b. 182 KN
 - c. 260 KN
 - d. 258 KN

- | | | |
|-----------------|----------------|--|
| a. HLPR | b. Lead | |
| c. Trail | d. Test | |
- 22.** In knorr brake loco pneumatic panel have number of portions. ()
- | | |
|-------------|-------------|
| a. 1 | b. 2 |
| c. 3 | d. 4 |
- 23.** Machine room blowers & their scavenging blowers works in Mode(s). ()
- | | |
|-----------------------------|---|
| a. Driving mode only | b. Cooling mode only |
| c. Off | d. Driving mode & Cooling mode |
- 24.** Normal position of 152 is ()
- | | |
|------------------|-----------------------------|
| a. '0' | b. '1' |
| c. 'Norm' | d. None of the above |
- 25.** Positions of 154 Switch are ()
- | | |
|-----------------|--------------------------------------|
| a. I, II | b. Norm, I, II and I & II |
| c. Norm | d. 0 & 1 |
- 26.** SS 04 belongs to sub system. ()
- | | |
|----------------------------|----------------------------|
| a. Traction bogie 1 | b. Traction bogie 2 |
| c. Main power | d. Harmonic filter |
- 27.** In WAG 9, earth return bushes are connected to axle boxes. ()
- | | |
|---------------------------|----------------------------|
| a. 1, 4, 5 & 8 | b. 2, 6, 7 & 11 |
| c. 2 & 11 | d. 1, 6, 7 & 12 |
- 28.** WAG 9 have number of dampers in primary suspension. ()
- | | |
|--------------|--------------|
| a. 32 | b. 20 |
| c. 64 | d. 40 |
- 29.** SS 08 belongs to sub system. ()
- | | |
|-------------------------------------|-------------------------------------|
| a. Auxiliary converter No. 1 | b. Auxiliary converter No. 2 |
| c. Auxiliary converter No. 3 | d. Battery |
- 30.** Auto brake valve can be locked or unlocked in position of the handle in knorr brake loco. ()
- | | |
|------------------------|-----------------------------|
| a. Emergency | b. Neutral |
| c. Full service | d. Minimum reduction |
- 31.** WAP 5 have number of dampers in primary suspension. ()
- | | |
|-------------|--------------|
| a. 8 | b. 16 |
|-------------|--------------|

- a. 15
- b. 10
- c. 20
- d. Will not switch OFF

52. To move 3 Ø loco as live or dead ensure brakes are released. ()
- a. Parking brakes
 - b. Direct brakes
 - c. Parking and Direct brakes
 - d. None of the above
53. If ATDC (Throttle) is failed, keep switch in position. ()
- a. 154, 0
 - b. 152, 1
 - c. 152, 0
 - d. 160, 1
54. When parking brakes are applied parking brake pressure gauge reads ()
- a. 0 Kg/cm²
 - b. 4 Kg/cm²
 - c. 3.5 Kg/cm²
 - d. 6 Kg/cm²
55. When knorr brake loco is attached as banker keep mode switch in.....position. ()
- a. HLPR
 - b. Lead
 - c. Trail
 - d. Test
56. SS 15 belongs to sub system. ()
- a. Cab 2
 - b. Fire detection
 - c. Memotel (Speedometer)
 - d. Processor FLG1
57. Location of Emergency stop push button in three Ø loco is ()
- a. Panel A
 - b. Panel B
 - c. Panel C
 - d. Panel D
58. Minimum voltage relay in three Ø loco is ()
- a. 78 in SB 1
 - b. 78 in SB 2
 - c. 86 in SB 2
 - d. 86 in SB 1
59. WAP 7 have number of dampers in primary suspension. ()
- a. 8
 - b. 12
 - c. 16
 - d. 20
60. WAP 5 loco is provided with No. of direct brake cylinders and No. of parking brake cylinders. ()
- a. 8 & 4
 - b. 12 & 12
 - c. 4 & 8
 - d. 12 & 6
61. Horse Power of WAG 9 loco is ()
- a. 5440 HP
 - b. 5000 HP

- c. 8000 HP d. 6120 HP
62. Specialty of knorr brake loco is ()
 a. There are no BE in loco b. Though BE failed can work the train
 c. BE will not fail d. None of the above
63. MPS of WAP 7 loco is ()
 a. 100 Kmph. b. 120 Kmph.
 c. 130 Kmph. d. 160 Kmph.
64. While working with MU, slave loco VCB will close with delay of ()
 a. 5 Seconds b. 1 Second
 c. 1 Minute d. 0.5 Seconds
65. WAG 9/WAP 7 have number of dampers. ()
 a. 16 Dampers. b. 20 Dampers.
 c. 40 Dampers. d. 10 Dampers.
66. Three phase loco is provided with number of auxiliary converter(s). ()
 a. 1 b. 2
 c. 3 d. 4
67. When harmonic filter is isolated, speed of the train is restricted to ()
 a. 60 Kmph. b. 40 Kmph.
 c. 25 Kmph. d. No such restriction
68. WAP 5 loco is provided with type of bogie. ()
 a. Bo-Bo flexi coil b. Co-Co Tri mount
 c. Co-Co flexi coil d. Co-Co tetra mount high adhesion
69. To raise the pantograph, ensure node information on screen. ()
 a. FLG 504 b. FLG 550
 c. FLG 570 d. FLG 590
70. In modified WAP 7 loco, wheels are provided with parking brakes. ()
 a. 2, 6, 7 & 11 b. 2 & 11
 c. 1, 4, 5 & 8 d. 6 & 7
71. Three Ø loco have No. of 3 phase auxiliary motors in under frame. ()
 a. 2 b. 4
 c. 12 d. 8
72. In three phase loco head light works with volts of supply. ()

- a. 110 Volts DC
c. 24 Volts DC
- b. 110 Volts AC
d. 12 Volts DC
73. Potential transformer supply is given to ()
a. MCE
b. U1 & U2 meters
c. MVR 86
d. Above all
74. Location of Bogie blower No. 2 is ()
a. Machine room No. 1
b. Machine room No. 2
c. Under machine room No. 1
d. Under machine room No. 2
75. Maximum voltage of traction motor of three Ø loco is ()
a. 2180 Volts.
b. 750 Volts.
c. 4360 Volts.
d. 178 Volts.
76. If RS pressure is below 5.6 Kg/cm^2 and MCPs are not working, MCPA starts automatically provided BL key is in Position. ()
a. C
b. D
c. C or D
d. None of the above
77. From Cab 1, if both head lights are not working check ()
a. MCB No. 310.1/1 in SB 1.
b. MCB No. 310.1/1 in SB 2.
c. MCB No. 310.1/2 in SB 1.
d. MCB No. 112.1 in SB 2.
78. Before operating throttle, ensure node information on screen. ()
a. FLG 504
b. FLG 550
c. FLG 570
d. FLG 590
79. In proportional working, maximum BC pressure in WAP 5 loco is ()
a. 2.5 Kg/cm^2
b. 3.5 Kg/cm^2
c. 1.8 Kg/cm^2
d. 5 Kg/cm^2
80. When panto is raised and DJ is not closed CE will switch OFF after ()
a. 10 Minutes
b. 15 Minutes
c. Immediately
d. CE will not switch OFF
81. WAG 9 has number of helical springs in primary suspension. ()
a. 8
b. 16
c. 4
d. 32
82. Loco grounding switch is ()
a. Blue KABA key (IG 38)
b. BL key

c. HOM

d. HPT

83. Location of MCP 1 is ()
a. In machine room No. 1 b. In machine room No. 2
c. Below machine room No. 2 d. Below machine room No. 1
84. Oil cooling blower cools ()
a. TFP oil b. SR oil
c. TFP oil & SR oil d. Traction motors
85. Traction motors works with the principle of ()
a. VVVF b. VFVF
c. VVVV d. None of the above
86. Procedure of isolating truck No. 1 is ()
a. Keep 154 in I position b. Keep 154 in II position
c. Keep 154 in Auto position d. Keep 154 in I & II position
87. If battery voltage drops below volts for 30 seconds, P2 message appears. ()
a. 92 Volts b. 82 Volts
c. 90 Volts d. 85 Volts
88. For application of parking brakes speed should be ()
a. Below 5 Kmph b. Above 5 Kmph
c. Below 1.5 Kmph d. Zero Kmph
89. With application of direct brakes Traction is not possible beyond speed. ()
a. 5 Kmph b. 10 Kmph
c. 15 Kmph d. Zero Kmph
90. SS 16 belongs to sub system. ()
a. Cab 2 b. Fire detection
c. Memotel (Speedometer) d. Processor FLG1
91. In proportional working, maximum brake cylinder pressure in WAG 9 is ()
a. 1.8 kg/cm^2 b. 2.5 kg/cm^2
c. 3.5 kg/cm^2 d. 5 kg/cm^2
92. Normal position of panto selector switch is ()
a. Norm b. I
c. II d. Auto

93. Gear ratio of WAP 5 loco is ()
- a. 15:77 b. 20:72
c. 17:35:67 d. 21:58
94. Location of FDU is ()
- a. SB 1 b. SB 2
c. HB 2 d. Panel ‘C’
95. In WAP 5, location of air dryer is ()
- a. Behind MCP 2 b. Behind Cattle guard 1 in left side
c. Behind MCP 1 d. Behind Cattle guard 1 in right side
96. Procedure of re-setting of ABB make MCB is ()
- a. Switch OFF CE b. Rotate the screw to vertical position
c. Lift the handle & Switch ON CE d. All the above
97. Between two operations of PSA time of pause is required. ()
- a. 10 to 12 Minutes b. 10 to 12 Seconds
c. 12 to 15 Seconds d. 30 Seconds
98. Parking brake facility is available to wheels in WAP 5 loco. ()
- a. 2, 6, 7 & 11 b. 2 & 11
c. 1, 4, 5 & 8 d. 6 & 7
99. Battery voltage in three phase loco should be ()
- a. Above 85 Volts b. Above 90 Volts
c. Above 92 Volts d. Above 110 Volts
100. Three phase loco is equipped with number of battery boxes. ()
- a. 2 b. 4
c. 6 d. 32
101. WAP 5 have number of helical springs in primary suspension. ()
- a. 8 b. 16
c. 4 d. 20
102. Horse power of WAP 7 is ()
- a. 5440 HP b. 5000 HP
c. 8000 HP d. 6120 HP
103. Three \emptyset loco is equipped with number of single \emptyset auxiliary motors. ()
- a. 12 b. 4
c. 8 d. 13
104. While working with MU, if uncoupling takes place between the locos, the position of ()

slave loco is

- a. Systematic shut down** **b. Only VCB trips**
c. VCB trips and panto lowers **d. No specific action**
- 105. WAP 5 has No. of brake pads.** ()
a. 8 **b. 16**
c. 32 **d. 64**
- 106. In WAP 5 loco, each wheel is provided with number of brake hanger(s).** ()
a. 1 **b. 2**
c. 4 **d. 8**
- 107. To operate reverser ensure node information on screen** ()
a. FLG 504 **b. FLG 550**
c. FLG 570 **d. FLG 590**
- 108. For CHBA, MCB No. is input and located in** ()
a. 100 & 110 **b. 110 & 100**
c. 112.1 & 110 **d. 112 & 112.1**
- 109. If speed is more than % than MPS, audio visual indications will appear.** ()
a. 0.5% **b. 5%**
c. 15% **d. 50%**
- 110. WAG 9/WAP 7 loco is provided with type of direct brakes.** ()
a. Clasp **b. Non-Clasp**
c. Disc **d. None of the above**
- 111. While working with MU, if FDU came into service in slave loco, happens in master loco.** ()
a. VCB trips **b. BZ-V-O-F sounds with P1 message**
c. Only P1 message appears **d. None of the above**
- 112. Over current relay in three Ø loco is** ()
a. 86 **b. 70**
c. 78 **d. 74**
- 113. If TFP oil temperature increased to⁰C for 10 seconds, loco will shut down.** ()
a. 84⁰C **b. 70⁰C**
c. 80⁰C **d. 47⁰C**
- 114. OHE working range of three phase loco is KV.** ()
a. 17.5 KV & 30 KV **b. 17 KV & 30 KV**

c. 17.5 KV & 30.5 KV

d. 17 KV & 30.5 KV

115. To switch OFF control electronics procedure of operating BL key is..... ()
a. D to OFF wait for 4 seconds b. OFF to C wait for 4 seconds
c. C to OFF d. Above all
116. SS 18 belongs to sub system. ()
a. Fire detection b. Memotel
c. Processor FLG 1 d. Processor FLG 2
117. Location of CHBA is ()
a. Machine room No. 1 b. Machine room No. 2
c. BUR 1 d. BUR 2
118. For cooling mode procedure of operating BL key is ()
a. D to OFF wait for 4 seconds b. OFF to C wait for 4 seconds
c. C to OFF then to C again d. Above all
119. On run, dropping of MR pressure drops below 6.4 kg/cm^2 causes ()
a. TE/BE needle comes to 'O' b. P1 message appears
c. Both MCPs starts d. All the above
120. Normal position of ZTEL is ()
a. ON b. OFF
c. 'Norm' d. Zero
121. To close the DJ, ensure node information on screen. ()
a. FLG 504 b. FLG 550
c. FLG 570 d. FLG 590
122. When ZTEL is switched ON tractive effort is limited to kn in WAG 9. ()
a. 0.8 to 1.5 KN b. 300 KN
c. 150 KN d. 458 KN
123. To isolate panto No. 1 keep panto selector switch in position. ()
a. Auto b. I
c. II d. I & II
124. In three Ø loco each battery box is provided with number of batteries. ()
a. 13 b. 26
c. 3 d. 39

125. MPS of WAP 5 is Kmph. ()
- | | |
|--------|--------|
| a. 100 | b. 130 |
| c. 140 | d. 160 |
126. From cab 2, if both head lights are not working check MCB No. ()
- | | |
|--------------------|--------------------|
| a. 310.1/1 in SB 1 | b. 310.1/1 in SB 2 |
| c. 310.1/2 in SB 1 | d. 310.1/2 in SB 2 |
127. Actions of emergency stop push button in three Ø loco are ()
- | | |
|-----------------------|------------------|
| a. VCB trips | b. Panto lowers |
| c. TE/BE comes to 'O' | d. All the above |
128. During WAP 7 loco brake power testing, should not to move below KN. ()
- | | |
|-----------|-----------|
| a. 100 KN | b. 150 KN |
| c. 300 KN | d. 125 KN |
129. In dead loco, open COC for the purpose of charging auxiliary reservoir. ()
- | | |
|-----------|------------|
| a. 70 COC | b. 47 COC |
| c. 74 COC | d. 136 COC |
130. While working as banker, put on Switch. ()
- | | |
|---------|----------------------|
| a. ZTEL | b. ZBAN |
| c. BLHO | d. None of the above |
131. Procedure of resetting VCD in WAG 9 / WAP 7 loco is ()
- | | |
|-------------------------|-------------------------|
| a. Keep throttle in 'O' | b. Wait for 160 Seconds |
| c. Press BPVR | d. All the above |
132. Location of MCP 2 in three Ø loco is ()
- | | |
|-----------------------|-----------------------|
| a. Loco left side | b. Loco right side |
| c. Machine room No. 1 | d. Machine room No. 2 |
133. SS 17 belongs to sub system. ()
- | | |
|--------------------|--------------------|
| a. Fire detection | b. Memotel |
| c. Processor FLG 1 | d. Processor FLG 2 |
134. While moving three Ø loco as dead to avoid wheel skidding ()
- | | |
|--|---|
| a. Stop the train, trip VCB, lower panto and switch OFF CE | b. Lock 23 plunger in applied condition and release all parking BCs |
| c. Ensure loco brakes are released | d. All the above |
135. To perform shunting keep switch in position. ()

- a. 154; 0
- b. 154; 1
- c. 160; 0
- d. 160; 1

136. While working with WAP 7 or WAG 9 with light load, if Harmonic filter is isolated procedure to work with normal speed is ()
- a. Stop the train
 - b. Switch OFF CE & Isolate Bogie 1
 - c. Switch ON CE & resume traction
 - d. All the above
137. Procedure of isolating VCD is ()
- a. 154 in '1'
 - b. 154 in 'O'
 - c. 237.1 in '1'
 - d. 237.1 in 'O'
138. CHBA is getting supply from ()
- a. Auxiliary converter No. 1
 - b. Auxiliary converter No. 2
 - c. Auxiliary converter No. 3
 - d. Traction converter No. 1
139. If battery voltage drops below volts, loco will shut down. ()
- a. 82 Volts
 - b. 87 Volts
 - c. 90 Volts
 - d. 92 Volts
140. For CHBA, MCB No. is output and located in ()
- a. 110; SB 1
 - b. 110; SB 2
 - c. 100; HB 1
 - d. 100; HB 2
141. In WAG 9, normal position of direct brake handle in rear cab is ()
- a. Apply
 - b. Release
 - c. FS & Locked
 - d. None of the above
142. Horse power of WAP 5 is ()
- a. 5440 HP
 - b. 5000 HP
 - c. 8000 HP
 - d. 6120 HP
143. Before nullifying CSC, observe meters and throttle. ()
- a. Ammeters
 - b. Voltmeters
 - c. Screen
 - d. Bogie 1 & Bogie 2
144. For isolation of Auxiliary converter No. 1 trip MCB No. ()

- | | |
|----------------------------|----------------------------|
| a. 127.22/1 in SB 1 | b. 127.22/1 in SB 2 |
| c. 127.22/2 in SB 1 | d. 127.22/2 in SB 2 |
- | | |
|--|-------------------|
| 145. VCD is required to acknowledge after attaining of kmph of train speed. | () |
| a. 5 kmph | b. 1 kmph |
| c. 1.5 kmph | d. 15 kmph |
- | | |
|---|----------------------------------|
| 146. In WAG 9, when parking brakes are released PB gauge reads | () |
| a. 5 Kg/cm ² | b. 0 Kg/cm ² |
| c. 6 Kg/cm ² | d. 3.5 Kg/cm ² |
- | | |
|--|------------------|
| 147. During loco brake testing WAG 9 should not to move below KN. | () |
| a. 100 KN | b. 150 KN |
| c. 300 KN | d. 125 KN |
- | | |
|--|---------------------------|
| 148. SS 19 belongs to sub system. | () |
| a. Fire detection | b. Train bus |
| c. Processor FLG 1 | d. Processor FLG 2 |
- | | |
|---|---|
| 149. Continuous pressing of PSA for 68 seconds caused to | () |
| a. Continuous sanding | b. Penalty brakes in Dead man’s mode |
| c. Vigilance penalty brakes | d. None of the above |
- | | |
|--|-------------------|
| 150. CSC can be activated after attaining of kmph of train speed. | () |
| a. 5 kmph | b. 1 kmph |
| c. 1.5 kmph | d. 15 kmph |

Question Bank for Chief Loco Inspector
SC Division

**Sub: General
Descriptive**

- 1 What are the duties of LI being as first official to accident site?
- 2 What are the duties of loco inspector during Train parting?
- 3 What are track parameters affect the running of a train?
- 4 What are the measurements to be taken in derailed Loco?
- 5 What are the measurements to be taken in derailed coach?
- 6 How an accident message will be given and explain with contents?
- 7 Explain how excess twist will cause an accident with diagram
- 8 What is sharp flange, how it will cause an accident?
- 9 How a joint report will be prepared at accident side by supervisors?
- 10 What are parameters available in strip chart of SPM and how they can be read?
- 11 What are the parameters of a wagon that will contribute to an accident?
- 12 What is cross level variation and it will cause an accident?
- 13 What is versine and what is the permitted value and how it will cause an accident?
- 14 What is super elevation what is the permitted values and how it will cause an accident?
- 15 Write various oscillations that happen in locomotives while on run with brief explanation of each.
- 16 Draw the sketch of tyre defect gauge with locating parameters at which they can measure?
- 17 Draw the sketch of track gauge with locating parameters at which they can measure
- 18 What are the reasons for short length (below 2 feet) between point of mount and point of drop and long length (above 2 feet) between point of mount and point of drop
- 19 What is the procedure to be followed if any Rly. Staff found in drunken state while 'Sign-ON' and 'Sign-OFF'.
- 20 How the Overtime can be reduced?
- 21 How the PAD and PDD can reduce?
- 22 How will you improve the implementation of 10 hrs rule?
- 23 How you will improve the 'C' grade loco pilot to higher grades.
- 24 How will you conduct a fact finding inquiry if loco hit a foreign body being a first official to the spot?
- 25 What are the reasons for panto entanglement?
- 26 What is regulated OHE and unregulated OHE
- 27 What is insulated overlap span and insinuated overlap span.
- 28 Write the various type insulators using in OHE and at what places they will be used.
- 29 Write the various jumpers using in OHE and at what location they will be used?
- 30 What are the items to be checked at LC gate?
- 31 What is the latest committee contributed by the Govt. of India to improve Railway safety and what are the main recommendations to improve safety.
- 32 Write short notes on AIRs and ARME and their locations in BZA division.
- 33 Define the following
 - a) Rly. accident
 - b) Consequent accident
 - c) Indicative accident

d) Yard derailment

- 34 What the various types are of inquires which is held to investigate into Rly. accident
- 35 How the periodic medical examinations and psychological tests of staff contribute towards improved safety in train operations?
- 36 Describe some of the mechanical / electronic safety devices recently introduced for better safety in train operation?
- 37 How the monitoring and periodic screening of staff help in reducing accidents.
- 38 What are your suggestions to improve safety consciousness among the running staff to reduce the train accidents
- 39 What are the duties of CTLC?
- 40 What are the duties of TLC?
- 41 What are the duties of CC?
- 42 What are the duties of CCC?
- 43 Being a first official to the accident spot of panto entanglement how you will deal the situation.
- 44 Being a first official to the accident spot of manned level crossing gate how will you deal the situation?
- 45 Being a first official to the accident spot of train passed a stop signal at ON how you will deal the situation.
- 46 Being a first official to the accident spot of wagon derailment how you will deal the situation.
- 47 Being a first official to the accident spot of wagon derailment by taking two routes how you will deal the situation.
- 48 Being a first official to the accident spot of rear end collision how you will deal the situation.
- 49 How an electrical fault isolated in OHE
- 50 Who is authorized to operate Switch Mains.....?
- 51 What are the various sectionings and parallellings provided in OHE either to isolate or to make continuity and explain the location of each location at which they used?
- 52 Write about payment wage act?
- 53 Write about minimum wages act?
- 54 Write about the importance of workman's compensation act.
- 55 What are the factors which will not comes under WCA during accident for payment of compensation?
- 56 What are the duties of supervisor in case of on duty injury or disablement of an employee
- 57 How many schedules available Workman's Compensation Act and what are they
- 58 What are the points to be displayed at work place under factories act?
- 59 Write short notes about factory act.
- 60 What are norms to be kept in mind while preparing loco links explain with illustration?
- 61 What are norms to be kept in mind while preparing crew links, explain with illustration?
- 62 What are the advantages of air brakes
- 63 What are the disadvantages of air brakes
- 64 In BZA loco shed 150 locos are available. How much outage can be given to goods if coaching requirement is 41.
- 65 What is EKM of loco and crew how these will be calculated?
- 66 What are the services / movements comes under ineffective outage

- 67 How many employees are required if 2 members working in a shift of 12 hrs roster and 8 hrs roster
- 68 How the assessment of goods crew will be done.
- 69 Expand GT KM and what is the formula for calculating the GT KM
- 70 What is the line capacity and what are the factors affecting the Line capacity?
- 71 What is operating ratio? How to improve it?
- 72 what is ruling gradient and how it is affecting the sectional Load?
- 73 What is critical block section
- 74 Why isolation is needed and interlocking is needed? Explain with illustration.
- 75 Write the advantages of MAS signals than TAS signals.
- 76 What is an electric shock, how first aid will be render to the electrocuted person?
- 77 What is the procedure to conduct running time trials?
- 78 How the load trials will be conducted what are factors affecting in fixing of train load.
- 79 Write the duty at a stretch and rest rules pertaining to Running staff.
- 80 Draw a sketch of crew link having 8 men
- 81 How the dead loco will be cleared.
- 82 What are steps to be taken to improve outage in goods service?
- 83 What are the steps to be taken to improve the average speed
- 84 What is punctuality? Advise how to improve the punctuality and factor affecting the punctuality.
- 85 What is Booked speed, Max. Permitted Speed, Minimum running time and Normal running time?
- 86 How to negotiate a neutral section having 30 kmph caution order at neutral section
- 87 How will you counsell a loco pilot to drive a train if 20 KMPH speed restriction is existing at the peak of the gradient?
- 88 Expand the following
1) RITES 2) IRIEEN 3) COFMOW 4) RDSO 5) CORE 6) FOIS 7) COIS 8) IVRS
9) CRIS 10) IRISSET
- 89 Expand the following
1) BCM 2) TTM 3) SPART 4) TRR 5) TFR 6) TSR 7) PQRS 8) BWM
- 90 What is fire? How fires are classified and hoe the each fire will be controlled?
- 91 Write the procedure to be followed to condemn a detonator and fusee
- 92 What are the ill affects if lateral clearance is more in loco?
- 93 What are the points to be observed in new erection of signal
- 94 How tracks reading will be taken during derailment
- 95 What are the reasons for stalling
- 96 What is combined train report?
- 97 What is Quick coupling?
- 98 Write about Working time table and passenger time table and why skip time is necessary?
- 99 Write the types of passes available in Railways to the Railway employees.
- 100 Write the entitlement restrictions of various passes to running staff
- 101 What is the metal pass and what are the various metal passes available in Railways.
- 102 What is the split pass?
- 103 What is hospital pass?
- 104 What is privilege pass?
- 105 What are the service restrictions in issuing of number of privilege passes to the Railway employee?
- 106 What are the service restrictions to issue post retirement passes?

- 107 What is the time limit in usage of privilege pass?
- 108 What are the route restrictions to be followed in using of privilege pass
- 109 What is school pass and whom it will be issued
- 110 Who are eligible for include in privilege pass.
- 111 If wife and husband both are Railway employees, how many passes both are eligible
- 112 What is SDP and for what distance it can be used?
- 113 What is 'DCP' and to whom it will be issued?
- 114 Is Recognized organized labor member eligible for duty pass for proceeding any general body meeting.
- 115 When a son aged beyond 21 years will be included in a privilege pass?
- 116 When a daughter aged beyond 21 years will be included in a privilege pass?
- 117 Up to what date last year passes and PTOs can be issued?
- 118 If last year passes issued in current year up to what date it will eligible to travel?
- 119 If a loco pilot retiring in a 31st Jan how many privilege passes and PTOs he is eligible?
- 120 What is joining time for first 1000 kms?
- 121 How many days joining time is admissible during request transfer?
- 122 What are the restrictions to be followed to suspended employee in respect to promotion?
- 123 What type of documents can be allowed to examine by the DE.
- 124 Write about the documents in respect to DAR cases.
- 125 Who will be nominated as presenting officer and who will be nominating as inquiry officer?
- 126 What is periodicity of PME to be followed?
- 127 What are medical standards to be maintained by a loco pilot and Loco Inspector, Box boy, Running cook, and RR bearer?
- 128 If person completed his PME on June 20th of 43rd year, what is his next medical due date.
- 129 What are the PME period treated as on duty?
- 130 If an employee is changing his spectacles, how may days he is eligible to undergo PME ?
- 131 What are the differences between PME and special PME?
- 132 What are the occasions can the employee can be directed for special PME?
- 133 What action can Railway administration has to take if an employee reports after 45days absent?
- 134 What action can Railway administration has to take if an employee reports after 90 days absent?
- 135 What are the types of leaves existing in Railways?
- 136 Write about Leave rules.
- 137 What is the procedure to grant quarantine leave?
- 138 How many days of LAP/LHAP credited in January?
- 139 How many days LAP can be encashed?
- 140 How a sick leave can be commuted?
- 141 Write short notes on paternity leave.
- 142 ""Maternity leave
- 143 ""Hospital leave
- 144 ""Casual leave
- 145 " " Special casual leave
- 146 " " leave not due
- 147 If a person joins in December into Railway how many casual leaves he is eligible?

- 148 Is casual leave can prefix or suffix with any kind of leave?
- 149 How many days of causal leave eligible to running staff in a calendar year?
- 150 What is S.O.P in granting of leave by Sr. Supervisor to Running staff and other staff?
- 151 Distinguish between hospital leave and special disability leave
- 152 How is unavailed portion of joining time will be Dealt?
- 153 Write the duty roster of running staff.
- 154 List out the categories under HOER and indicate rostered hours of each category?
- 155 Write the differences between Essentially Intermittent and Continuous categories.
- 156 Write about PNM and JCM
- 157 Distinguish between Excluding and Continuous category
- 158 Distinguish between Supernumerary posts and Temporary post
- 159 What is assumed attendance?
- 160 Write short notes on Intensive and Essentially Intermittent category.
- 161 What are the allowances admissible to running staff?
- 162 How TA will be calculated?
- 163 What is the formula for calculating for Over Time Allowance?
- 164 What is the formula for calculating for break rest allowance?
- 165 How shunting allowance admissible to running staff?
- 166 How OSRA will be admissible to running staff
- 167 Write short notes on OSDA
- 168 What is officiating allowance and how it will be calculated?
- 169 What is transfer grant?
- 170 How much amount can be granted towards spectacles?
- 171 What is the formula for calculating NDA?
- 172 What are the advances that running staff are admissible?
- 173 How many types of quarters available in Railways?
- 174 Write the entitlement of quarters to running staff?
- 175 What is the procedure to allot Railway quarters?
- 176 When a Railway servant will be placed under suspension
- 177 What are the compulsory deduction from subsistence allowance during suspension period
- 178 What are to be taken to keep the number of employees in control under the suspension
- 179 What are the entitlements are eligible to the suspended employee
- 180 What are the restrictions on the suspended employee
- 181 To whom the suspension are revocation orders to be served
- 182 What are the minor penalties
- 183 What are the major penalties
- 184 What is the procedure to impose minor penalty
- 185 What is the procedure to impose minor penalty during the loss of Railway properties
- 186 What are the differences between major and minor penalties
- 187 What is the procedure for imposing major penalty
- 188 What are the various stages in imposing procedure of imparting major penalty
- 189 What are the occasions to follow common proceedings
- 190 Write model time schedule for progress of major penalty 'DAR' cases?
- 191 What is daily order sheet?
- 192 What are the norms to be followed while appointing an inquiry officer
- 193 What are the occasions to change inquiry officer?
- 194 What are the norms to be followed in selecting a defense counsel?
- 195 Who all are called prosecution witness and defense witness

196	What are the differences between fact finding and 'DAR' inquiry	
197	What are the difference of Rule No. 9 and 14 of DAR act?	
198	What is the procedure to be followed during expert inquiry?	
199	How an inquiry report shall be prepared	
200	What are the annexure available in major penalty charge sheet and explain each of them?	
201	What is the determination of appellate authority	
202	What are the differences between removal and dismissal?	
203	What are the facilities to be given to the defense counsel?	
204	What are the circumstances to postpone and inquiry?	
205	What is the role of an IO if delinquent wants to submit any defense witness/documents	
206	What is the procedure to be followed while examining the prosecution witness and defense witness during inquiry?	
207	What is procedure to be followed by an I.O. during any submission by CE during inquiry	
208	Write the abbreviations of the following 1) DAR 2) VC 3) SPE	
209	Who is the head for vigilance at zone level?	
210	What are standard forms for the following a) Order suspension under Rule No.5 (1) b) Order suspension under Rule No.5 (2) c) Appointment of Inquiry/Board inquiry d) All the forms	
211	What is differences between disciplinary authority and appellate authority	
212	What is differences between revision and review	
213	Standards for using disciplinary proceedings	
214	Order of suspension under Rule 5 (1)	SF-1
215	Order of deeming a railway servant under suspension under Rule 5(2)	SF-2
216	Certificate to be furnished by suspended official under Rule 2043 (I)-R-II	SF-3
217	Order of revocation of suspension under Rule 5(5)(c)	SF-4
218	Charges sheet for major penalty under Rule 9	SF-5
219	Refusing of Permission to inspect documents	SF-6
220	Appointment of Inquiry/Board of Inquiry	SF-7
221	Appointment of Presenting Officer	SF-8
222	Not printed	SF-9
223	Disciplinary Action in common proceedings	SF-10
224	Appointment of Enquiring Authority in common proceedings.	SF-10(a)
225	Appointment of presenting officer in common proceedings	SF-10(b)
226	Memorandum of charge for imposing minor penalties	SF-11
227	Charge-sheet for initiation of Minor penalty proceedings in cases where Disciplinary Authority decides to hold the inquiry under Rule 11(1)(b)/11(2)	SF-11(b)
228	Taking disciplinary action for minor penalty where charge-sheet for major penalty was initially issued	SF-11(c)
229	Memorandum where action is proposed under Rule 14(i)	SF-12
230	Standard form of sanction under Rule 2308 RII	SF-12
231	Standard Form of charge-sheet for proceedings under Rule 2308 RII	SF-14

Question Bank for Chief Loco Inspector
SC Division

Sub: G&SR

- 1 Write the essentials of absolute block systems
- 2 Write the essentials of automatic block system
- 3 What are the trains can be dispatched to open communication in single line during total interruption of communications
- 4 What is station section and block section.
- 5 Write the station section of B-class station multiple aspect signals in double line
- 6 Write the station section of B-class station multiple aspect signals in single line
- 7 Write the station section of B-class station two aspect signals in double line
- 8 Write the station section of C-class station multiple aspects in double line.
- 9 Write the conditions to grant line clear in B-class station double line
- 10 Write the conditions to grant line clear in A-class station
- 11 Write the conditions to grant line clear in C-class station
- 12 Explain bloc overlap and signal overlap.
- 13 What type of abnormalities will come under breach of block rules?
- 14 What block back and block forward.
- 15 Why **Isolation** and **Interlocking** is required in the signalling system.
- 16 Explain what is unsignalled movement?
- 17 Explain how a train can be received in to an obstructed line.
- 18 Explain how a train can be received into an unsignalled line.
- 19 How to distinguish the general rule and subsidiary rule.
- 20 Write about subsidiary signals.
- 21 What is a Repeating Signal and Signal Repeater
- 22 What are the minimum equipment of signals be provided in A-class, B-class and C-class station.
- 23 Write about exchanging of **alright signals**
- 24 Write the procedure to work a train without guard.
- 25 Write the procedure to work a train without brakevan.
- 26 Write the significance for provision of IB signal. Explain how the signal is provided with diagram and write how to pass IB signal at ON.
- 27 Write about detonating signals
- 28 Write about fusee signals
- 29 Write about block section limit board and shunting limit board.
- 30 Write about various engineering indicators come across while working a train.
- 31 Write about Stop-board, S-board, W-board, W/L-board, W/B-board and shunting warning board.
- 32 Write how to pass an automatic signal at 'ON' in double line and single line.
- 33 How the communications will be opened in single line during total interruption of communications.
- 34 How the trains can be worked in automatic block system if prolonged failure of automatic signals.
- 35 How the train can be secured in block section and station section.
- 36 What are the precautions to be taken while working material train?
- 37 How to clear the front portion and leftover portion from block section?
- 38 How many types of shunting available and explain each of them.
- 39 Write about the responsibilities for supervising the shunting
- 40 How many types of interlocking are available? Explain each of them

- 41 What are the occasions to issue a caution order? How it will be prepared and served.
- 42 Write about station working rules.
- 43 Write about various types of ODCs working.
- 44 How the wagons containing explosives and inflammables will be marshalled in various trains.
- 45 Which is the circumstance called as total interruption of communication and in double line how the trains can be dealt?
- 46 What is train signal register and what are the contents available in it.
- 47 Write about the duties of loco pilot in case loco unable to haul the load?
- 48 Write the duties of loco pilot in case of train parting.
- 49 How the trains will be worked in case one line obstructed in double line.
- 50 What is the significance of each column provided in T-1425(a) & (b)
- 51 How a damaged vehicle can be cleared?
- 52 How you will guide the loco pilot to clear the stalled train from the peak of the gradient.
- 53 A train arrived to BZA by 120 min. late. BZA-MAS is the last lap of its journey. Engg. Allowance is 34 min, traffic allowance is 48 min. and loco allowance is 32 min. Explain how the train can be gained punctuality.
- 54 Write about the indications of accident siren and in case of siren defect how the communication is dealt.
- 55 How the railway accidents are categorized?
- 56 How a run-over case is dealt.
- 57 Write short notes on block ticket
- 58 Write the conditions for taking off home signal.
- 59 Write about point indicator and trap indicator
- 60 Write about how a stop signal can be passed at ON.
- 61 What are the duties of loco pilot in absence of fixed signal?
- 62 Write about the hand signals.
- 63 Write the duties of loco pilot in case of accident.
- 64 Why signal warning boards are necessary and where they are provided.
- 65 What are the duties of loco pilot while starting from an originating station?
- 66 How the guard can be intimated by the loco pilot to protect the train in rear in case unable to proceed further.
- 67 How the engineering indicators will be provided in case of various speed restrictions within 200 meters at same spot.
- 68 How many types of working systems are existing and among them which are available in S.C.Railway.
- 69 How an automatic gate signal will be passed at ON.
- 70 What are the occasions to back the train and what is the procedure be followed.
- 71 How a semi automatic signal will be passed at 'ON'
- 72 What are the warning boards available at neutral sections? Write the duties of loco pilot while passing at neutral sections.
- 73 How many types of freight train BPCs are available and explain them.
- 74 What are the communications available between loco pilot and guard?
- 75 What are the various injuries related to accident manual and explain each of them.
- 76 How the train can be worked in case explosion in track or train.
- 77 What are the instructions regarding the usage of portable field telephone.
- 78 How many types of signals available
- 79 How a train can be dealt on calling on signal
- 80 How many types of repeating signals available and explain each of them.

- 81 What are the signals cannot be used for shunting operation.
- 82 If two home signals are placed on same post, explain to which route they belong.
- 83 Why signal sighting committee is needed and what is the periodicity of inspections?
- 84 Write the duties of loco pilot on seeing a flasher light on adjacent line.
- 85 Write the duties of loco pilot in case of explosion of a detonator
- 86 How the train can be protected in case of accident in double line absolute block system.
- 87 How the train can be protected in case of accident in double line automatic block system
- 88 How the train can be protected during the total interruption of communication in single line absolute block system
- 89 How the train can be protected on double line during total interruption of communication
- 90 How the train can be stopped on out of course at station in automatic block system
- 91 What are the duties of loco pilot when train detained at first stop signal
- 92 What are the precautions to be taken when moving a C-class ODC in electrified section
- 93 How the trains can be dealt during struck up of permissible signal in OFF aspect.
- 94 What are the authorities will be given in single line to perform shunting at various occasions provided with push button type block instrument.
- 95 What is the authority to perform shunting in double line multiple aspect signals at various occasions?
- 96 Write the differences between position light shunt signals and shunting permitted indicator.
- 97 How a train can be dispatched from an un-signalled line?
- 98 What are the differences of interlocked working and non-interlocked working?
- 99 Why sand humps are necessary?
- 100 How the train can be passed on a weld failure / rail fracture or multiple rail fracture?
- 101 How a work spot having stop and start will be protected by engineering indicators.
- 102 Define ISMD ?
- 103 Which equipment is given the fourth option in the order of preference in obtaining line clear?
- 104 Which no. of channel/frequency is freezed for obtaining / granting line clear when line clear is obtained/granted through VHF sets?
- 105 If SM of station 'X' cannot obtain the attention of station 'Y' on the block instrument, after how many minutes, the SM 'X' will go to next means of communication?
- 106 Which type of indicative accident is reportable by telephone to Railway Board by the Zonal Railway and by the Division to the Zonal Railway?
- 107 Who is the accepting authority for all other Consequential Train Accident, except UMLC accidents?
- 108 What is the station section at a Class 'B' station with Multiple Aspect Signals on double line?
- 109 What is the authority required for performing shunting beyond outermost facing point/BSLB on a double line class 'B' station?
- 110 "Dispatch a message from a block station intimating the block station immediately in rear on a double line or either side on a single line that the block section is obstructed or being obstructed". What is this?
- 111 What is the name given to the celebrations that are going on in our Railway?

Question Bank for Chief Loco Inspector
SC Division

Sub: G&SR
Objective

1. Approved special instructions means special instructions approved by _____
2. Anemometer is provided for measuring _____
3. Wind velocity considered dangerous is _____ kmph and above.
4. No railway servant directly connected with the working of trains shall take alcoholic drinks or narcotics within _____ hours before commencement of duty.
5. BOL in TAS and MAS is _____ mtrs. and _____ mtrs.
6. BOL shall be reckoned from _____ signal.
7. SOL in TAS and MAS is _____ mtrs. and _____ mtrs.
8. Isolation is compulsory when the speed of run through trains exceeds _____ kmph.
9. In semaphore territory when there are no lights in OFF position, to pass the reception signals, the Driver can proceed _____
10. To attach an O D C prior approval of _____ should be taken
11. Speed of "C" class O D C shall not exceed _____ kmph on BG
12. Signal Warning Board is provided in rear of FSS at _____ mtrs. in electrified section.
13. When inner distant is provided, the distant signal shall have _____ and _____ aspects only.
14. The calling on signal shall display _____ light in ON position during night.
15. The calling on signal may be provided below any stop signal except _____
16. Shunt Signal may be provided below any stop signal except _____
17. When shunt signal is defective _____ is the authority for the Driver to pass the signal.
18. When shunting permitted indicator is defective _____ is the authority for the Driver to pass the Shunting Permitted Indicator.
19. Detailed instructions regarding working of Shunting Permitted Indicator will be incorporated in _____
20. _____ signal does not show any light in any position at any time.
21. A Semi Automatic stop signal is distinguished by _____
22. Fog signal post is located at _____ mtrs. in rear of outer most signal of the station.
23. Fog signal post is painted with _____ & _____ colours alternatively.
24. Visibility Test Post is painted with _____ & _____ colours alternatively.
25. Visibility Test Post is located at _____ mtrs. from SM's office.
26. Normal aspect of the fixed signals, except automatic signals, will be _____
27. The speed of a train while entering terminal goods yard is restricted to _____ kmph.
28. The speed of a train in 1 in 8 ½ turnout provided with 60 kg sleepers and rails restricted to _____ kmph.

29. Normal authority to proceed on double line is _____
30. When LSS fails in token less territory on single line, the authority shall be _____
31. The minimum vacuum required in engine of a goods train is _____
32. The minimum vacuum required in brake van of a goods train is _____ Cms.
33. Twin pipe system is provided in _____ trains
34. Under approved special instructions, when a colour light distant signal is combined with LSS the aspect in its ON position shall show _____ light.
35. A gate stop signal in automatic territory is distinguished by _____ marker
36. Backlight of semaphore signal will be visible in _____ position of the signal.
37. On double line, authority to pass Home Signal of a class C station at ON is _____
38. When Advanced Starter is defective on double line the authority for the Driver to start a train is _____
39. On single line token less section when advanced starter is defective authority to proceed for the Driver is _____
40. The presence of outlying siding points is indicated by _____ marker board.
41. In MAS signaling a single arm home is sufficient when the speed of trains through station does not exceeds _____ kmph.
42. The OFF aspect of the Warner Signal indicates _____
43. When an IB signal is defective, before starting the train the Driver shall be given _____ authority.
44. When a signal is newly erected or recited, caution order shall be issued for a period of _____ days.
45. Slip siding is provided to protect _____
46. Catch siding is provided to protect _____
47. Even though all signals are semaphore signals at a station, under approved special instructions _____ signal can be a colour light signal.
48. Shunting in the face of an approaching train outside the home/outer most facing points in TAS/MAS shall only be done where _____
49. While performing shunting on passenger carrying train, shunting engine with or without coaches shall first come to a halt at _____ mtrs. away from the train.
50. Whenever attaching or detaching of _____ four wheeler unit wagons or more taken place a fresh B P C shall be issued.
51. At intermediate station when vehicles attached to train the entry in V.G. shall be made by _____
52. A single four wheeler vehicle must not be marshalled between _____
53. By express trains a maximum of _____ coaches may be attached in rear of the rear brake van excluding officers carriage.
54. When shunting the wagons loaded with petrol the speed shall not be more than _____ kmph.

55. The empty/load handle should be set in empty position when the wagon is empty or partially loaded with gross load not exceeding _____tonnes.
56. When full train is shunted across the main line, shunting must be supervised only by _____
57. While hand shunting of vehicles fitted with other than roller bearing on a gradient steeper than 1 in 200 the speed is restricted to _____kmph.
58. Shunting beyond advanced starter and up to FSS of opposite direction on single line token less section is _____
59. Shunting of wagons containing explosives shall be carried out only under the supervision of _____
60. The speed of a tower wagon shall be _____kmph.
61. The speed of an engine returning on T/609 shall not exceed _____kmph.
62. The speed restriction that has to be observed by a Driver when headlight of engine fails on BG is _____kmph.
63. _____speed restriction to be imposed by the SM when he receives the message of rail fracture of less than 30mm.
64. The speed of the light engine proceeding on T/J 602 is restricted to _____kmph.
65. Maximum speed of the relief engine proceeding on T/A 602 on double line is _____
66. Speed of the first train during temporary single line working is restricted to _____kmph
67. The speed while pushing back with guard traveling in engine showing hand signals, shall not exceed _____kmph
68. The speed of the train while pushing back with guard traveling in leading vehicle fitted with braking equipment shall not exceed _____kmph.
69. While engine returning to bring the remaining portion of train left behind in block section should not exceed _____kmph
70. A gate cum distant signal shall be located at a distance of _____mtrs. in rear of the gate
71. Where trains are booked to stop for less than 5 min. at a station outgoing tokens shall be delivered _____
72. The signals shall not be taken OFF for shunting purpose is _____
73. The gate signal in automatic signalling with extinguished A marker shall show _____light when gate is in open condition.
74. Normally the life of a detonator is _____
75. Normally the life of a fusee is _____
76. Life of a detonator after successful tests can be extended by one year each time subjected to maximum of _____
77. Life of a fusee after successful tests can be extended by one year each time subjected to maximum of _____
78. _____No. of detonators shall be given to a Fog signal man.

79. When a petrol man does not arrived to station in time as per schedule time, _____ SR can be imposed.
80. When a passenger train does not arrive within _____mins. after running time, it shall be deemed as trains unusually delayed.
81. When a goods train does not arrive within _____min. after running time the SM shall send search party.
82. During thick foggy and tempestuous weather, impairing visibility detonators shall be placed at a distance of 270 mtrs. from _____
83. In emergency during night a material train may be ordered by _____.
84. The B P C issued by T X R for a material train valid for _____days.
85. Material train should be checked by T X R once in a _____
86. When a material train is stabled at station, the responsibility for the protection is lies with _____
87. Provision of side lights may be dispensed with in _____
88. When a token extracted and subsequently misplaced in block section, the authority for the Driver of a train by SM of rear station is _____
89. When a Driver loses the token while on run in the block section he shall _____
90. Authority to proceed on automatic block system is _____
91. In Automatic block system when all signals and communications are failed, trains are worked on _____
92. When LSS fails on single line automatic block system the ATP is _____
93. When train run on T/D 912 the speed shall not exceed _____kmph
94. During TSL working the second and subsequent trains proceeding on wrong line on automatic block system shall observe a speed restriction of _____kmph.
95. Example for Breach of Block Rules _____
96. Interruption to through traffic for more than 12 hours on main line is called _____
97. On trunk routes interruption to through traffic exceeds _____ hours is treated as serious dislocation to traffic.
98. Where the damage to property exceeds Rs. _____ it is treated as serious accident.
99. First aid boxes of Station shall be checked by the respective ADMO's once in _____
100. If inter distance between the stationary train & the observation is less than _____mtrs. outside station limits, is treated as an averted collision
101. An example of consequential accident is _____
102. Joint inspection of medical relief van by DMO, DSO, DME & DEE will be conducted once in _____
103. Outside the station section, when the distance between obstruction & the train having come to stop is less than 400 mtrs. it is treated as _____

104. MRT is to be turned out within _____ mins. from stations having direct dispatch facilities.
105. MRT shall be dispatched to accident stop from stations having indirect dispatch facilities within _____
106. ART shall be ready within _____ mins. by day and _____ mins. by night.
107. Accident siren four long and one short indicates _____
108. Accident siren three long and one short indicates _____
109. During day time accident relief train shall be dispatched within _____ mins.
110. No. of wagons loaded with explosives are allowed by goods train _____
111. No. of wagons containing explosives are allowed by parcel / mixed train _____
112. Minimum _____ no. of guard wagons are required between wagons containing explosives and a passenger carriage.
113. On sections when double heading is prohibited distance equivalent between train engine and the dead engine shall be _____ wagons.
114. On double line section during total interruption of communications the direction of traffic shall remain _____
115. During total interruption of communication all trains shall be stopped at _____
116. Time interval between subsequent trains on double line at the time of total interruption of communication is _____ mins.
117. Authority to enter into the obstructed block section in absolute block system is _____
118. During foggy weather impairing visibility in Absolute block system, caution order given to Driven shall contain speed restriction of _____ kmph.
119. Authority to be given to Driver during TSL working is _____
120. Form No. of block ticket _____
121. Trolleys and lorries working during night under block protection on double line shall be treated as _____
122. Trains not allowed on block ticket are _____
123. Authority to receive a train on to an obstructed line is _____
124. Authority to start a train from non-signaled line provided with common starter is _____
125. Before detaching engine within station limits where gradient is 1 in 600 hand brakes of _____ vehicles shall be applied.
126. If the wagons are fitted with roller bearing _____ gradient is considered as steeper gradient.
127. Pushing back should be done only with the permission of _____
128. Whistle code to indicate fouling mark not cleared is _____
129. Whistle code to alert SM to exchange all right signal is _____

130. The only signal that can't be taken OFF during total interruption of communication is _____
131. When block telephone has failed next means of communications for obtaining line clear in order of preference is _____
132. A motor trolley/ trolley/moped trolley shall be accompanied by _____ while opening out communication on single line.
133. _____ authority will be given to Driver while returning back after opening communication with or without train on single line.
134. During power block _____ trains may be allowed.
135. The danger zone is within the radius of _____ mtr. in electrified section.
136. When healthy section is temporarily isolate and re-energised, the SM shall issue caution order to the Driver of first train to restrict the speed to _____ kmph.
137. The lowest rank employee who can organize line block on control telephone is _____
138. Generally not more than _____ mins. shall be allowed to a goods train to start after engine has been attached when it is not tested by vacuum exhauster/air compressor.
139. The time permitted for GDR check of train consisting of 60 units is _____ mins.
140. In ghat section area the Guard and Driver will be given _____ LR trips.
141. If an air brake train stalls at a gradient of 1/400 and above the brakes should applied by _____
142. Breathyliser test of crew is done _____
143. If a detonator is exploded by a train, _____ distance to be worked cautiously.
144. The no. of detonators that are available with Driver are _____
145. _____ will be switched automatically in loco, during accidents.
146. _____ is the duty of LP while approaching LC gate.
147. After detaching loco from load, the safety check that is to be exercised by the Driver before working light engine is _____
148. Weather Asst. Driver can clear a section with restricted speed in case Driver becoming incapacitated?
149. If a Driver experiences abnormal jerk before IBS, where should he stop his train?
150. At the time of taking charge if the flasher light glows but not blink what action would you take?
151. What would you do in case you get a call to work an ART, while under rest?
152. After which check / restriction, non derailed coaches of a passenger train involved in accident be allowed for onward journey?
153. What immediate action will you take if a train stops on a gradient section due to failure of OHE?
154. Action to be taken by a driver, immediately on bursting a detonator is _____
155. Necessity of brake feel test is _____

156. What would you do if calling on signal show OFF aspect while approaching a stop signal?
157. When LP passing IBS at 'ON' due to non-working of phone and after waiting for 5 min. _____ speed to be maintained.
158. At what distance from obstruction detonators are placed on occupied line in automatic signaling area?
159. Colour of flasher light is _____
160. In absolute block system the maximum speed of the train while pushing back during normal conditions is _____ kmph.
161. The whistle code to indicate the train parting is _____
162. The safety radius in which no person / staff should be allowed while exploding a detonator is _____ mtrs.
163. In case of working with two or more engines coupled, who shall be responsible to obey the signals?
164. After passing automatic signal at ON at what distance would you stop on observing obstruction?
165. What is the maximum speed of the train during day if no contact established with TPC and OHE supply is restored after 5 mins?
166. In absolute block system on BG at what distance detonators are placed for a protection of train?
167. The absolute block system at what distance detonators are placed before the approach signal of the station during fog?
168. On failure of OHE, after what time the flasher light should be switched on?
169. What immediate action would you take by noticing sudden drop of BP pressure / vacuum on run?
170. Special instructions are issued by _____
171. Shunting order form No. _____
172. General rules are issued by _____
173. In emergency a goods train can be ordered without guard by _____
174. When a train is held up at FSS for more than _____ mins. the Driver shall depute Asst. Driver to go to the station.
175. Divisional caution order form No. is _____
176. Authority for a relief loco / train into the occupied block section in automatic block system is _____
177. W/L board should be located at a distance of _____ mtrs. before LC gate in double line.
178. Emergency telephone point is provided at every _____ mtrs. in OHE area.
179. Mock drills of ART shall be conducted once in _____ by a safety officer.
180. At standard III interlocking station maximum speed over M/L is _____

181. While passing through a neutral section speed of a train should not be less than _____
182. During TIC on D/L ATP for the Driver is _____ and speed is _____ kmph.
183. Maximum speed for shunting operations is _____ kmph.
184. Authority to perform shunting into rear block section on D/L is _____
185. When electric loco leading cab defective and Asst. Driver is driving from trailing cab, speed should not be exceed _____ kmph.
186. Speed of a train while testing detonators is _____ kmph.
187. Stop indicator is located _____ mtrs. before the stop dead and proceed speed restriction.
188. After stopping at the stop indicator Driver shall sign in the _____ book.
189. When a fusee is lighted it gives a bright red flame for _____ mins.
190. While receiving a train on an obstructed line, SM shall arrange to show a stop hand signal at _____ mtrs. before the obstruction.
191. Whistle code to indicate alarm chain pull is _____
192. FP pressure in loco shall be _____ kg / cm² and in SLR is _____ kg / cm².
193. The most restricted aspect of a distant signal is _____
194. Violently waving a white light horizontally across the body of a person indicates _____
195. The signal that protects the block section is _____
196. At present _____ No. of types of interlocking standards available.

Question Bank for Chief Loco Inspector
SC Division

Sub: Official Language

- 1 When official language act formed?
- 2 Write the communication procedure between 'A' and 'B' region central govt. officers?
- 3 Write the communications procedure between central govt. and state government offices of various regions
- 4 Write the communications procedure between state govt. offices of various regions.
- 5 What are the states in 'A', 'B' and 'C' regions
- 6 Write short notes on proficiency in Hindi
- 7 Write short notes on working knowledge on Hindi
- 8 Write short notes on manuals, codes other Literature articles of etc. to be maintained in relation to official language act.
- 9 What are examinations will be held for improving Hindi and explain them briefly.
- 10 What are the incentives to be given to clerks in encouraging Hindi?
- 11 What are the incentives to be given to stenographers in encouraging Hindi?
- 12 What are the awards established for promoting Official language.
- 13 What is the importance on forming of official language?
- 14 Write your suggestions to improve the implementation of official language?

Question Bank for Chief Loco Inspector
SC Division

Sub: D & A
R Objective

- 1 A Railway servant may be placed under suspension:---
 - (A) where a disciplinary action for imposition of minor penalty is pending
 - (B) where a disciplinary action for imposition of major penalty is pending
 - (C) Where a fact-finding inquiry is pending on a report against him.
 - (D) Where a case against him in respect of a Civil Suit is pending in a Court of Law.
- 2 The headquarters of a railway servant under suspension shall be :---
 - (A) The place where the Divisional headquarters is located.
 - (B) The place where his family is residing
 - (C) His last place of duty.
 - (D) No station since he is not performing duties.
- 3 Find out the deductions which should not be made from the subsistence allowance :---
 - (A) Rent for quarters.
 - (B) Income Tax
 - (C) LIC Premia
 - (D) Subscription to PF
- 4 One of the following is not a major penalty. Find out.
 - (A) Reduction to lower service / post / grade for a specified period without loss of seniority.
 - (B) Reduction to lower service / post / grade for a specified period with loss of seniority.
 - (C) Reduction to lower stage in time scale of pay for 4 years (NR).
 - (D) Withholding of increment with recurring effect for a period of 6 years.
- 5 One of the following is an irregular penalty. Find out.
 - (A) Withholding of increment with recurring effect.
 - (B) Withholding of increment with loss of seniority.
 - (C) Withholding of increment exceeding 3 years.
 - (D) Withholding of increment not exceeding 6 months.
- 6 An Enquiring Authority appointed to hold an inquiry against a railway servant :-
 - (A) should be incharge supervisory official of the unit of charged official.
 - (B) should be gazetted officer.
 - (C) should be higher than the charged official.
 - (D) should be one who is immediately in lower grade to Disciplinary Authority.
- 7 Annexure III to SF 5 is :--
 - (A) A list of Articles of Charges.
 - (B) Statements of imputations of misconduct in respect of each Article of charge.
 - (C) A list of relied upon documents.
 - (D) A list of witnesses by whom charges are proposed to be proved.

- 8 The purpose of issuing a charge-sheet to a railway servant, is :---
- (A) to warn him to be careful in future.
 - (B) to afford him an opportunity to defend himself from the accusation.
 - (C) Where minor penalty is imposed affecting the pensionary benefits of the charged official. C
 - (D) Where services of a railway servant are to be terminated in accordance with the terms of agreement.
- 9 A retired railway servant may act as defence counsel.
- (A) in not more than 2 cases. B
 - (B) in not more than 5 cases.
 - (C) in any number of cases.
 - (D) in no case.
- 10 Find out the Order against which Appeal does not lie :--
- (A) an order of deemed suspension.
 - (B) an order of E.O. passed during the course of enquiry.
 - (C) an order made by the G.M.
 - (D) an order enhancing any penalty imposed by G.M.
- 11 "Charge" means - a railway servant's action :-- D
- (A) not appreciated by the Controlling Officer.
 - (B) of an out-standing nature.
 - (C) violating a standing order and made known to him to explain.
 - (D) None of the above.
- 12 Find out among the following the aspect which is violative of principles of natural justice :-- C
- (A) the offence alleged to have been committed by railway servant was made known to him.
 - (B) the charged official was given an opportunity to produce defence documents.
 - (C) the witnesses on behalf of D.A. were not allowed to be cross-examined by the charged employee.
 - (D) the I.O. appointed to hold enquiry was a disinterested person.
- 13 An officer who is competent to impose the penalty of "Compulsory Retirement" C on a given railway servant, will also have the powers to impose :--
- (A) any other penalty lower than CR only.
 - (B) any one of the minor penalties only.
 - (C) penalties of 'Removal' & 'Dismissal' also.
 - (D) no other penalty higher or lower than Compulsory Retirement.
- 14 The time allowed to charged official to submit his revision petition to the B appropriate authority is :--
- (A) 15 days
 - (B) 45 days
 - (C) 60 days
 - (D) 180 days
- 15 Where departmental proceedings and criminal proceedings in a Court are running B concurrently :--
- (A) Departmental proceedings should be finalised earlier to criminal proceedings.
 - (B) Departmental proceedings should not be finalised till criminal proceedings are finalised.
 - (C) Departmental proceedings should be dropped soon after the initiation of criminal proceedings.

- (D) The Court hearing the criminal case should be advised to pend its proceedings till finalisation of departmental case.
- 16 A witness who is summoned by Disciplinary Authority to prove the charges, D deposes before I.O. in favour of charged official. Such a witness is called.
- (A) Expert witness
 - (B) Defence witness
 - (C) Prosecution witness
 - (D) Hostile witness
 - (E) Irrelevant witness
- 17 During re-examination of a witness in the departmental inquiry by in I.O. B
- (A) a question to bring out altogether a new evidence can be asked.
 - (B) a question to explain certain statements made by him in the earlier cross-examination, can be asked.
 - (C) the witness should be asked to tell his story again.
 - (D) the witness should be put questions to reiterate his answers given in the examination-in-chief.
- 18 The power to remove a doubt or interpret any of the provisions of RS (D&A) D Rules, 1968 rests with :--
- (A) Divisional Railway Manager
 - (B) Chief Personnel Officer
 - (C) Railway Board
 - (D) The President of India
- 19 The document through which the alleged misconduct is communicated to a A railway servant advising him to submit explanation, is called :--
- (A) Charge sheet
 - (B) Penalty Notice
 - (C) Show-Cause Memorandum
 - (D) Daily Order Sheet
 - (E) None of the above.
- 20 "Revision" under Rule 24 (2) & 24 (3) of RS (D&A) Rules is confined to railway D servants who have been imposed :--
- (A) Any one of the MINOR penalties only
 - (B) any one of the MAJOR penalties only.
 - (C) Any penalty MAJOR or MINOR.
 - (D) Penalties of Dismissal, Removal and Compulsory Retirement.
- 21 Where there is no presenting officer nominated, a charged official [non-gazetted- D serving-SCRailway] may present his case during inquiry :--
- (A) With the assistance of any person.
 - (B) With the assistance of serving railway employee of any railway including Railway Board.
 - (C) With the assistance of only the serving railway employee of SC Railway.
 - (D) With the assistance of serving or retired railway employee of SC Railway.
- 22 Authority competent to nominate Inquiring Authority to hold enquiry in the D manner specified in Rule 9 of D&A Rules against a non-gazetted railway servant is :-
- (A) General Manager
 - (B) Revising Authority
 - (C) An authority to which disciplinary authority is immediately subordinate.
 - (D) Disciplinary Authority

(E)

- 23 One of the following is barred from acting as Defence Counsel. Find out. C
 (A) A serving employee of the same railway to which charged official belongs.
 (B) A retired employee of the same railway to which charged official belongs.
 (C) A serving employee of the same railway to which charged official belongs but pm deputation to Ministry of Labour.
 (D) A serving Welfare Inspector.
- 24 One of the following is not a penalty under DAR. Find out. C
 (A) Withholding of Privilege Passes
 (B) Withholding of Post-Retirement Passes
 (C) Withholding of PTOs
 (D) Withholding of Privilege Passes and PTOs
- 25 "Revision" of a penalty under Rule 25 of RS [D&A] Rules is applicable to :--
 (A) All the minor penalties only
 (B) All the major penalites only
 (C) All the minor and major penalties
 (D) Compulsory Retirement, Removal and Dismissal
- 26 An official of recognised trade union may assist a charged official during C
 departmental inquiry, if the charged official is :--
 (A) a non-gazetted railway servant only
 (B) either of Group-C or Group-D or Group-B only
 (C) a member of any group
 (D) another office-bearer of the same Union only
- 27 Speaking order means A
 (A) Reasons recorded in support of decision taken by the Disciplinary Authority
 (B) The memorandum communicating the penalty
 (C) The written statement of defence of the charged official
 (D) The report of the Inquiry Officer
- 28 Revision of one's own orders is permissible. NO
- 29 The competent authorities should themselves sign the communication of orders YES
 passed by them.
- 31 Where a penalty of compulsory retirement or removal or dismissal is subjected NO
 to suo-moto revision and the penalty is upheld, the railway servant is entitled to
 prefer an appeal to the authority immediately higher than the one who held suo-
 moto revision.
- 32 To enhance a penalty already imposed, the railway servant should be given an YES
 opportunity to show cause as to why penalty imposed on him should not be
 enhanced.
- 33 Where a charge is denied, imposition of major penalty without conducting of YES
 enquiry in the manner specified in Rule 9 is incorrect.
- 34 For disciplinary powers conferred on authorities in a zonal railway, Schedule -
 I of R.S. (D&A) Rules 1968, shall be referred to.
- 35 Revision Authority shall be higher in rank that that of Appellate Authority YES
 whether appeal is preferred to or not.
- 36 Denial of request of a railway servant to be heard in person before disposal of NO his
 appeal is not a violation of principles of Natural Justice.
- 37 Disciplinary Authority is always the one who is immediately subordinate to YES
 Appellate Authority.
- 38 Appellate Authority means the authority to which the disciplinary authority is YES
 immediately subordinate.

- 39 Where a railway servant is transferred to another railway after he has been YES imposed with a penalty, the competent authorities to dispose his Appeal and Revision Petition shall be those on the Railway where he has received the penalty.
- 40 A Group 'D' railway employee who has been removed from service, after his appeal has been disposed (Penalty upheld) by D.P.O. can prefer Revision NO Petition directly to GM.
- 41 Where a railway servant has been imposed with a penalty of reduction in time scale of pay and if it is operative from a future date, the railway servant may be NO promoted and operate the penalty in higher grade.
- 42 Where a railway servant has been imposed with a penalty of reduction to lower grade / post and reduction is operate to postpone future increments, he loses his YES original seniority in the grade / category from which he has been reduced.
- 43 No authority lower than appropriate appointing authority in relation to a NO railway servant can impose penalty of reduction to lower grade / post.
- 44 Penalty of withholding of PRC passes can be imposed on a railway servant who YES retired from service during pendency of DAR proceedings.
- 45 Suspension is a penalty. NO
- 46 On appeal, if penalty is reduced, revision can still be sought. YES
- 47 Revision action, subject to certain exceptions, should not be initiated until after YES the period for submission of appeal is over where no appeal is preferred.
- 48 Where no penalty is imposed by Disciplinary Authority, Appellate Authority NO has the powers to impose the penalty on the concerned railway servant.
- 49 Reduction of a railway servant to a lower post which he never held is in order NO since he continues in railway service.
- 50 While imposing penalty of compulsory retirement it should be ensured that D.A YES is not lower in rank than that of the Appointing Authority.
- 51 No penalty shall be imposed with retrospective effect. YES
- 52 The minimum penalty that should be imposed in the case of proven illegal YES gratification is - one of Minor Penalties.
- 53 Imposition of penalty of reduction in time scale of pay with recurring effect and YES also with loss of seniority is correct.
- 54 Where a railway servant has been imposed with a penalty of imposition of YES withholding of increment and if it is operative from a future date, the railway servant can be promoted if due for such promotion.
- 55 A Loco Pilot (Goods) of BZA Division is imposed with a penalty by ADEE / YES TRSO/BZA. Then he is transferred to GTL Division where he submitted an appeal against the penalty. The Appellate Authority in this case is Sr.DEE /TRSO/ GTL Division.
- 56 Imposition of major penalty without conducting an inquiry in the manner NO specified in Rule 9, where all charges are admitted, is prohibited.
- 57 Appellate Authority need not be immediately subordinate to Revising YES Authority in all cases.

- 58 Show cause Memorandum need not be issued to a Railway servant to impose a NO penalty by Revising Authority where no penalty has been imposed by Disciplinary Authority.
- 59 Association of railway servants with Organisation banned under Unlawful YES Activities (Prevention) Act, 1967, are liable to be dealt in departmental proceedings.
- 60 A railway servant seeking election to the post of a Director in which he has to YES exercise administrative responsibility should obtain prior sanction of the Competent Authority.
- 61 Failure on the part of the Supervisory Official to ensure the integrity and YES devotion to duty of all staff working under his control is a violation of Conduct Rules.
- 62 Railway servants are not prohibited from bringing any outside influence in NO respect of allotment of residential quarters.
- 63 A railway servant has been under suspension. Major penalty Onduty proceedings have been initiated. Finally minor penalty is imposed. Hence the period of suspension shall be treated as -----

- 64 The powers to revoke suspension order lie with ----- Disciplinary Authority
- 65 Suspension period shall be treated as duty when ----- Minor penalty imposed
- 66 When charge sheet [SF 5] issued for unauthorised absence, quoting rule 3 (1) (i) [maintain absolute integrity at all times] is--- Necessary
----- (**necessary / not necessary**)
- 67 In the cases where it is proposed to impose punishment of withholding of pension, the show-cause Notice is to be issued by ----- (Disciplinary Authority on the Railway / President) President of India
- 68 A railway servant on deputation to an outside body ----- (can be / cannot be) permitted to be a Defence Counsel to another railway servant in a departmental inquiry. Cannot be
- 69 Whether a railway servant under suspension can be permitted to act as Defence Counsel ? Can be permitted
- 70 The maximum number of cases, at any point of time, a serving railway servant can accept to be the Defence Counsel are ----- Two cases
- 71 A retired railway servant may be permitted to be the Defence Counsel in not more than ----- cases at any given point of time. Five cases
- 72 Whether there is any bar for initiation of departmental proceedings on the same charge where criminal proceedings are already in process in a Court of Law ? No
- 73 "Dismissal" from service causes loss of employment, pension, --- Gratuity and PF
----- and -----
- 74 "Removal" from service causes ----- and ----- Employment and Pension

- 75 The effect of withholding of increment with cumulative effect is loss of ----- Seniority
- 76 Write the circumstances in which a retired railway servant of SC Railway against whom departmental enquiry is pending can have a serving railway servant of Western Railway as Defence Counsel Cannot permitted
- 77 As per the model time schedule, the major penalty proceedings are to be completed within ----- [period - days or months] 150 days or 5 months

78	There are three kinds of Charge-sheets bearing SF Nos----- -----, ----- & -----	SF-5, SF-11, SF-11 (b)
79	Article of charge means ----- ----	Allegations made against charged employee.
80	Annexure IV to SF 5 carries ----- -----	List of Witnesses to be examined
81	A supervisory official holding independent charge of a Unit has the powers to impose penalty of Censure on -----	Minor penalty charge sheet
82	A railway servant under suspension does not receive any pay for the period of suspension but receives -----	After revoked
83	An exparte inquiry means an inquiry held in the absence of ----- -----	Charged employee
84	Where an appeal is disposed by Chief Personnel Officer [Admn] revision petition lies to -----	General Manager
85	The time allowed to a railway servant to nominate a person to be his Defence Counsel is ----- days from the date of appointment of E.O.	10 days
86	A legal practioner can be permitted to be a Defence Counsel to a railway servant where in a case ----- official is nominated as ----- to present the case in support of charges, on behalf of Disciplinary Authority, before the Inquiring Officer.	Railway, Presenting Officer
87	The time allowed to a railway servant to submit written brief of defence is ----- days after receipt of charge-sheet.	10 days

G&SR/Accident Manual

Fill in the Blanks

1. Accidents are classified into -----categories and they are ----- .
2. Train accidents are divided into ----- parts and they are ----- .
3. Loss of railway property above Rs..... is treated as serious accident.
4. Consequential train accidents that are reportable to Railway Board Safety Directorate are ----- .
5. General target time for turning out ART during day / night is -----
minutes.
6. General target time for turning out MRV with direct / indirect despatch facility is ----- minutes.
7. Composition of MRV is ----- and ----- .
8. Mock drill for ART / MRV shall be conducted once in -----
in case they are not moved on account of accidents.
9. ----- is the ex-gratia to be paid in case of death/serious injury / simple injury in train
accidents.
10. ----- is the ex-gratia to be paid in case of death / serious injury / simple injury at manned
LC Gate accidents where prima-facie failure is on Railways.
11. Rs..... is the compensation paid in cases of death in train accidents.
12. Accident siren three long, one short indicate -----.
13. Accident siren four long, one short indicate ----- .
14. ----- is the duration of long siren and ----- is the duration of short siren.
15. Threshold value of Railway property loss is fixed at Rs.....
16. In the event of breakdown of control telephone, trains shall be given precedence over each
other -in that process running of Goods trains takes -----place.
17. Block instrument bell code 000000 indicate -----
18. Block instrument bell code 000000000 indicate -----
19. BCC and PCC is valid for a period of -----
20. As a temporary measure when DSTE/ADSTE issue BCC for Signal Maintainers, such BCC
is valid for -----and such extension is limited to -----

21. Acknowledgement for block bell beat, if not received from the station adjacent, the code shall be repeated after a lapse of -----
22. Single and double line TSR No. is ----

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