

Question Bank for TRD Linesmen

| SN | Question | A | B | C | D |
|-----|---|-------------------------|-----------------------|----------------|---------------|
| 1. | Cable length of discharge rod is | 11 to 15 mtr | 12 to 18 mtr | 10 to 11 mtr | None of these |
| 2. | Minimum cross section area of discharge rod cable | 40 sq mm | 60 sq mm | 50 sq mm | None of these |
| 3. | Voltage capacity of discharge rod cable is | 650/100 V | 650/1100 V | 60/100 V | None of these |
| 4. | Number of strands in discharge rod is | 258 | 348 | 248 | None of these |
| 5. | Dia. of each strands of discharge rod | 0.45 mm | 0.55 mm | 0.65 mm | None of these |
| 6. | The OHE section which is isolated by operation of BM is | elementary section | sub sector | Sector | None of these |
| 7. | The OHE section which is isolated by operation of CB is | elementary section | sub sector | Sector | None of these |
| 8. | Neutral section is provided in OHE to avoid bridging of supply of two adjacent | TSS | SP | SSP | None of these |
| 9. | Generally the grid supply given to adjacent TSS are of | same phase | different phase | A & B | None of these |
| 10. | The two adjacent TSS are fed by different phases from the GSS to avoid | balancing at GSS | unbalancing at GSS | A & B | None of these |
| 11. | Types of power block operated in traction system | 4 types | 5 types | 3 types | None of these |
| 12. | Pre arrange power block are operated by | TPC | SCOR | Dy.SS | None of these |
| 13. | Locally arrange power block is operated by | TPC | competent field staff | SCOR | None of these |
| 14. | power blocks on secondary line(yard, siding , shed) are given by | TPC | SCOR | ASM /YM | None of these |
| 15. | Pre arrange power block are sanctioned by | TPC | ASM /YM | SCOR | None of these |
| 16. | In case of failure in one road OHE TPC will switch off | Concerned both road OHE | One road OHE | Both A & B | None of these |
| 17. | TPC should exchange _____ for PTW to field staff | Self name | Location | Private number | None of these |
| 18. | Field staff should exchange _____ for PTW with TPC | Self name | Location | Private number | None of these |
| 19. | TPC should not exchange private number While cancelling PTW to field staff | Not required | Depends | TRUE | FALSE |
| 20. | Field staff should exchange private number While cancelling PTW with TPC | Not required | Depends | FALSE | TRUE |
| 21. | Intermediate discharge rod should be provided if the distance between 2 working party exceeds | 90 mtr | 100 mtr | 110 mtr | None of these |
| 22. | The maximum distance between two discharge rod is | 500 mtr | 1000 mtr | 100 mtr | None of these |
| 23. | If discharge rod is connected to rail, it must be connected on | positive rail | negative rail | Any rail | None of these |
| 24. | The minimum cross section area of the cable of discharge rod | 30 sq mm | 40 sq mm | 50 sq mm | None of these |
| 25. | Discharge rod cable should replace, if strands broken more | 20% | 30% | 40% | None of these |

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|-----|--|------------------------|-------------------|---|----------------|
| | than | | | | |
| 26. | The continuity of the discharge rod cable between top clamp and earth clamp should be checked | Daily | Weekly | Monthly | Fortnightly |
| 27. | Isolator provided in OHE should be operated on | off load condition | on load condition | A&B | None of these |
| 28. | Ensure availability of _____ bond before connecting discharge rod | Impedance bond | "Z" bond | structure bond | None of these |
| 29. | While removing discharge rod which side should remove first. | Structure side | OHE side | Any side | None of these |
| 30. | While connecting discharge rod which side should connect first. | Structure side | OHE side | Any side | None of these |
| 31. | Tools should be transfer to staff climbed on ladder for OHE work by | Another person by hand | rope | discharge rod | None of these |
| 32. | Block required for gantry maintenance | UP only | DN only | UP & DN | None of these |
| 33. | Block required for cross over maintenance | UP only | DN only | UP & DN | None of these |
| 34. | What is make of rope used with ladder | cotton | jute | steel | A&B |
| 35. | A bond between two rails of a track or two rails of adjacent tracks. | Transverse bond | Cross-bond | Impedance-bond | A & B |
| 36. | A conductor on traction masts or structures or supports and bonded to their metallic parts/supports and connected to earth. | Earth wire | Earth electrode | Impedance-bond | None of these |
| 37. | An electrical connection across a rail joint between consecutive lengths of rails. | Rail bond | Longitudinal bond | Cross-bond | A & B |
| 38. | A bond connecting the non current carrying metallic parts of a traction mast or structure or support to the traction rail | Rail bond | Longitudinal bond | Cross-bond | Structure bond |
| 39. | An electrical connection across a rail joint, provided by the S&T, to facilitate over track circuit current | Signal bond | Impedance-bond | Cross-bond | None of these |
| 40. | A bond which is made of standard copper conductors with M.S. ferrules at the either end, pressed on the conductors and bent to shape | Signal bond | Impedance-bond | Cross-bond | Welded bond |
| 41. | A track provided with 25kV, AC, 50 Hz single phase overhead equipment | un-wired track | Traction track | Wired track | None of these |
| 42. | All traction rails of loco shed and loco/EMU stabling sidings shall be provided with cross-bonds at distances of not more than | 100 m apart. | 200 m apart. | 150 m apart. | None of these |
| 43. | In a tunnel all the traction rails shall be provided with rail-bonds | 100 m apart. | 200 m apart. | over the entire length & 50 M both side | None of these |
| 44. | Both the rails of a wired track on a weigh-bridge shall be provided with rail-bonds for a length of | 50 m | 75 m | 85 m | None of these |
| 45. | Bus coupler isolator | BC | BX | BM | None of these |

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|-----|--|--------------------|------------------|------------------|---------------|
| 46. | Single Pole Isolator at switching station | SF | SP | SM | None of these |
| 47. | Single Pole isolator at substation | SF | SP | SM | None of these |
| 48. | Isolator for main line | SF | SP | SM | None of these |
| 49. | Isolator for secondary line/loop/yard | SF | SP | SM | SS |
| 50. | Electrified Route kilometer in Nagpur Division | 750 | 870 | 800 | None of these |
| 51. | Electrified Track kilometer in Nagpur Division | 2021 | 1725 | 1601 | None of these |
| 52. | Total No. of traction sub stations working in Nagpur Division | 12 | 15 | 20 | None of these |
| 53. | Total number of OHE maintenance depot | 10 | 15 | 20 | None of these |
| 54. | Total number of tunnels in Nagpur division in electrified section | 8 | 11 | 14 | None of these |
| 55. | Total number of MPSEB fed TSS in Nagpur division in electrified section | 7 | 8 | 9 | None of these |
| 56. | Total number of MSEB fed TSS in Nagpur division in electrified section | 5 | 8 | 11 | None of these |
| 57. | Distance between centers of rails in BG line | 1660 | 1765 | 1695 | 1676 |
| 58. | Normal rated current of OHE is | 500 Amp | 600 Amp | 800 Amp | None of these |
| 59. | Lightening arrestor provided on the 25 kV side is rated for | 60 kV | 48 kV | 42 kV | None of these |
| 60. | The OHE section which is isolated by operation of isolators is | elementary section | sub sector | Sector | None of these |
| 61. | The purpose of AT providing at station for supply of | Both purpose | General lighting | Signal equipment | None of these |
| 62. | Generally number of ATs provided at station | 5 | 4 | 2 | None of these |
| 63. | Interrupter for main line | BC | BX | BM | None of these |
| 64. | Interrupter for yard line | BC | BX | BM | BS |
| 65. | Bus coupler interrupter | BC | BX | BM | None of these |
| 66. | No. of maximum contact splice permitted in one tension length | 15 | 19 | 11 | None of these |
| 67. | Minimum distance between 2 splice | 200 mtr | 100 mtr | 110 mtr | None of these |
| 68. | Catenary splice should be provided when strand broken | 30% | 20% | 10% | None of these |
| 69. | The maximum distance between Isolator male female contact | 500 mm | 550 mm | 600 mm | None of these |
| 70. | Marking on height gauge from the top | 6 mtr | 8 mtr | 4 mtr | None of these |
| 71. | Retensioning of unregulated OHE done after | 6 year | 4 year | 2 year | None of these |
| 72. | POH of ATD done after | 6 year | 8 year | 1 year | None of these |
| 73. | Length of SS rope of winch type ATD | 10.5 mtr | 8 mtr | 4 mtr | None of these |
| 74. | Projection of insulated catenary from end of ROB & FOB should not be less than | 5 mtr | 10 mtr | 2 mtr | None of these |
| 75. | Maximum wear of insulator rod of PTFE neutral section | 1 mm | 2 mm | 5 mm | None of these |
| 76. | Level of PTFE assembly should be | 0 mm | 1 mm | 2 mm | None of these |
| 77. | During magnetization of SS rope magnetic effect should be | Repulsion | Nil | Attraction | None of these |
| 78. | SS Rope should not be reused when ovality is more than | 0.4 mm | 0.8 mm | 0.5 mm | None of these |

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| 79. | Stagger of main line contact wire at obligatory mast | Max.300 mm | Max.200 mm | Max.100 mm | None of these |
| 80. | Stagger of turn out contact wire at obligatory mast | Max.200 mm | Max.100 mm | max 300 mm | None of these |
| 81. | Sag of section insulator of Turn out and cross over | 60 mm | 0 mm | 100 mm | None of these |
| 82. | Current collection done by Oliver G after every | 2 month | 6month | 3 month | None of these |
| 83. | The deflection of leaning mast measured from Rail level at height of | 1.86 mtr | 1.85 mtr | 2.85 mtr | None of these |
| 84. | Dia. of the ST tube | 26.40/36.70 mm | 28.40/35.70 mm | 38.40/35.70 mm | None of these |
| 85. | Cross section of the BFB steady arm | 32 x 32 mm | 34 x 31 mm | 32 x 31 mm | None of these |
| 86. | Minimum implantation of diamond crossing | 3.5mtr | 3.0 mtr | 3.9 mtr | None of these |
| 87. | General provision of OHE mast in double line | Outside of both track | Inside of both track | both side of both track | None of these |
| 88. | Maximum distance between anticreep centre and anchor mast is | 650 mtr | 750 mtr | 760 mtr | None of these |
| 89. | Maximum number of OHE mast between anticreep center and anchor mast. | 14 nos. | 10 nos. | 15 nos. | None of these |
| 90. | Maximum half tension length of OHE in tangent track | 750 mtr | 660 mtr | 850 mtr | None of these |
| 91. | Maximum half tension length of OHE in curve track | 750 mtr | 660 mtr | 600 mtr | None of these |
| 92. | Parallel run of pantograph in insulated overlap should be | 8 mtr | 2 mtr | 6 mtr | None of these |
| 93. | Parallel run of pantograph in uninsulated overlap should be | 8 mtr | 4 mtr | 2 mtr | None of these |
| 94. | Maximum length of PTFE N/S Aurther flury type | 8 mtr | 2 mtr | 6 mtr | 9.5 mtr |
| 95. | Minimum axial distance between catenary & contact wire at section insulator is | 456 mm | 450 mm | 460 mm | None of these |
| 96. | Minimum cross section area of MS flat used for OHE bond | 200 sq mm | 250 sq mm | 280 sq mm | None of these |
| 97. | General size of MS flat used for OHE bond | 40 x 8 mm | 40 x4mm | 40 x 6 mm | None of these |
| 98. | Impedance bond is provided by | TRD | S & T department | TRO | None of these |
| 99. | Impedance bond provides low impedance path | S & T signal current | Traction return current | TRO | None of these |
| 100. | Impedance bond provides high impedance path | S & T signal current | TRO | Engg | None of these |
| 101. | Discharge rod is made of | 4 pieces | 2 pieces | 3 pieces | None of these |
| 102. | The consignment is treated as ODC if length is more than | 13.816 mtrs | 13.716 mtrs | 14.716 mtrs | None of these |
| 103. | The consignment is treated as ODC if height at middle is more than | 3.743 mtr | 2.743 mtr | 4.743 mtr | None of these |
| 104. | The consignment is treated as ODC if the height at corner is more than | 3.743 mtr | 2.763 mtr | 2.134 mtr | None of these |
| 105. | The consignment is treated as ODC if the width of bottom is more than | 3.743 mtr | 2.997 mtr | 2.134 mtr | None of these |

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| 106. | The consignment is treated as ODC if the width of top is more than | 3.743 mtr | 2.763 mtr | 0.610 mtr | None of these |
| 107. | Number of competency certificate for unskilled class IV staff | TR 1 | TR 2 | TR 3 | None of these |
| 108. | Number of competency certificate for OHE Linemen | TR 3 | TR 4 | TR 2 | None of these |
| 109. | Number of competency certificate for OHE Supervisor | TR 3 | TR 4 | TR 2 | None of these |
| 110. | Air gap of ET 1 of pantograph | 215 mm | 220 mm | 210 mm | None of these |
| 111. | Air gap of ET 2 of pantograph | 60 mm | 70 mm | 80 mm | None of these |
| 112. | Minimum air pressure required for pantograph raising | 5.5 kg/cm ² | 4.8kg/cm ² | 4.5 kg/cm ² | None of these |
| 113. | Minimum air pressure required for pantograph lowering | 2 to 3.5 kg/cm ² | 2.5 to 3.5 kg/cm ² | 3 to 3.5 kg/cm ² | None of these |
| 114. | Minimum thickness of panto wearing strip | 3.6mm | 3.5 mm | 2.5 mm | None of these |
| 115. | Maximum depth of groove at pantograph | 4 mm | 2 mm | 1 mm | None of these |
| 116. | Static contact pressure of pantograph for AM 12 | 3.5 kg | 2.5 kg | 8.5 kg | 7.5 kg |
| 117. | Static contact pressure of pantograph for AM 18 B | 11.5 kg | 2.5 kg | 12.5 kg | None of these |
| 118. | Horizontal level of pantograph is | Above zero level | below zero level | zero level | None of these |
| 119. | Horizontal level of pantograph is measured by | db meter | speed level meter | micro meter | None of these |
| 120. | Lubrication of SS rope to be done | Half Yearly | yearly | Monthly | None of these |
| 121. | Lubrication of SS rope done by | Balmerol rope lub oil 1000 | Lub. Oil | Coconut oil | None of these |
| 122. | Ovality of SS rope should be check at 3 places | 350 mm apart | 400 mm apart | 300 mm apart | None of these |
| 123. | End reversion of SS rope should be done, if SS rope is ok during | AOH | POH | BOTH | None of these |
| 124. | Counter weight of winch type of ATD for main line | 500 Kg | 400 Kg | 450 Kg | None of these |
| 125. | Counter weight of winch type of ATD for tram way OHE | 260 kg | 450 kg | 250 kg | None of these |
| 126. | Counter weight of 3 pulley type of ATD for main line | 260 kg | 450 kg | 250 kg | 665 kg |
| 127. | Counter weight of 3 pulley type of ATD for Yard | 250 kg | 400 kg | 260 kg | None of these |
| 128. | Tension ratio of regulated OHE in winch type of ATD is | 6 is to 1 | 5 is to 2 | 5 is to 1 | None of these |
| 129. | Tension ratio of regulated OHE in 3 pulley type of ATD is | 3 is to 1 | 5 is to 2 | 5 is to 1 | None of these |
| 130. | Length of SS rope for modified 3 pulley type ATD is | 9 mtr | 5mtr | 8 mtr | None of these |
| 131. | Length of SS rope for 3 pulley old type ATD is | 7 mtr | 9 mtr | 5mtr | None of these |
| 132. | No. of PG clamp provided in normal G jumper | 1 | 8 | 4 | None of these |
| 133. | No. of PG clamp provided in normal F jumper | 2 | 4 | 5 | None of these |
| 134. | No. of PG clamp provided in normal C jumper | 3 | 7 | 2 | None of these |
| 135. | No. of PG clamp provided in normal ATJ jumper | 1 | 2 | 5 | None of these |
| 136. | Catenary ending cone should be replaced | 7 years | 8 years | 9 years | None of these |
| 137. | Contact ending cone should be replace | 6 years | 8 years | 7 years | None of these |

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| 138. | All PG clamps should be replaced during | AOH | Monthly maint. | POH | None of these |
| 139. | Contact splice should be replaced | 8 years | 7 years | 9 years | None of these |
| 140. | Replaced contact splice should not be | used | reused | both | None of these |
| 141. | Replaced Catenary ending cone should not be | reused | used | both | None of these |
| 142. | Replaced Contact cone should not be | used | both | reused | None of these |
| 143. | Average life of OHE Catenary wire is | 20 years | 40 years | 60 years | None of these |
| 144. | Average life of OHE Contact wire is | 30 years | 40 years | 90 years | None of these |
| 145. | Thickness of standard bracket tube | 8 mm | 10 mm | 1 mm | None of these |
| 146. | Use of 'G' jumper | Uninsulated over lap | Both over lap | insulated over lap | None of these |
| 147. | Stagger of contact wire at curvature | +/- 300 | +/- 310 | +/- 200 | None of these |
| 148. | Stagger of catenary wire at tangent track | +/- 300 | +/-100 | +/-200 | None of these |
| 149. | Stagger of section insulator should be within the limit of | +/- 50 mm | +/- 100 mm | +/- 10 mm | None of these |
| 150. | Stagger of catenary wire at curvature | +/-200 | +/-250 | +/-300 | None of these |
| 151. | Length of 'C' jumper | 0.7 mtr | 1.2 mtr | 1.70 mtr | None of these |
| 152. | No. of strands of small dropper | 1 | 4 | 2 | None of these |
| 153. | No. of strands of large dropper | 1 | 2 | 4 | None of these |
| 154. | Relative gradient of the contact wire in two adjacent spans on main lines | 1.0 mm/M | 1.8 mm/M | 1.2 mm/M | 1.5 mm/M |
| 155. | Dia of each strands of large jumper | 1.113 mm | 1.013 mm | 2.123 mm | None of these |
| 156. | Max. permissible gradient of contact wire on main line | 1.5 mm per M | 6 mm per M | 4 mm per M | 3 mm per M |
| 157. | Max. tension length of unregulated OHE | 1.6 kms | 1.7 kms | 1.8 kms | 2 kms |
| 158. | Length of F-jumper | 1.7 mtr | 1.8 mtr | 1.6 mtr | None of these |
| 159. | Normal encumbrance for 72 m span | 1.8 m | 1.5 m | 1.4 m | None of these |
| 160. | Maximum length of parallel running of two OHEs at overlap. | 10 mtrs | 5 mtrs | 3 mtrs | 2 mtrs |
| 161. | Dia of new contact wire | 10.34 mm | 15.5 mm | 12.24 mm | None of these |
| 162. | Short duration maximum horizontal clearance | 100 mm | 300 mm | 200 mm | None of these |
| 163. | Normal sag of regulated OHE | 100 mm | 90 mm | 105 mm | None of these |
| 164. | At T/O obligatory mast, location M/L OHE should be below T/O OHE by | 100 mm minimum | 70 mm minimum | 60 mm minimum | 50 mm minimum |
| 165. | Normal tension in Kg. of Contact wire | 1000 / 1250 kg | 1000 / 1450 kg | 1010 / 1250 kg | None of these |
| 166. | Normal tension in Kg. of Catenary wire | 1000 kg | 1111 kg | 1001 kg | None of these |
| 167. | Cross section area of large jumper wire | 103 sq mm | 107 sq mm | 105 sq mm | None of these |
| 168. | Cross section area of contact wire | 106 sq mm | 109 sq mm | 110 sq mm | 107 sq mm |
| 169. | Overall dia. of catenary wire | 11.5 mm | 10.5 mm | 11.0 mm | None of these |
| 170. | Overall dia. of large span wire | 15.00 mm | 14.70 mm | None of this | None of these |
| 171. | Min. clearance bet. Two OHEs at un insulated overlap | 150 mm | 200 mm | 350 mm | None of these |
| 172. | Maximum tension length for regulated OHE | 1500 m | 1400 m | 1200 m | None of these |

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|------|--|-----------------|--------------|--------------|---------------|
| 173. | Min. length of mast below rail level for regulated OHE | 1500 mm | 1750 mm | 1850 mm | None of these |
| 174. | Cross section area of small dropper | 17.65 sq mm | 19.67 sq mm | 19.64 sq mm | None of these |
| 175. | No. of strands of catenary wire | 19 | 17 | 21 | None of these |
| 176. | No. of strands of small jumper wire | 19 | 35 | 20 | None of these |
| 177. | Normal implantation on main line. | 2.21 M | 2.36 M | 2.40M | 2.50M |
| 178. | Distance of A dropper from support | 2.35 mtr | 2.15 mtr | 2.45 mtr | 2.25 mtr |
| 179. | Minimum implantation | 2.36 (critical) | 2.6 | 2.3 | None of these |
| 180. | Minimum implantation permitted at main line | 2.36 m | 4.75 m | 4.98 m | None of these |
| 181. | Normal implantation of obligatory mast at turn out | 2.50 M | 3.0 M | 3.5 M | None of these |
| 182. | Discharge Rod cable to be replaced if %age of strands broken exceeds | 20% | 10% | 5% | None of these |
| 183. | Minimum clearance of ODC from OHE for power OFF at 15 kmph | 200 mm | 100 mm | 80 mm | None of these |
| 184. | At uninsulated overlap, the distance between two parallel running contact wire | 200 mm | 225 mm | 250 mm | None of these |
| 185. | On curved track, stagger of cont. wire is generally | 200 mm | 250 mm | 300 mm | None of these |
| 186. | At insulated over lap, the horizontal gap between two OHE is | 200 mm | 300 mm | 400 mm | 500 mm |
| 187. | What is the size of type A drop arm | 200 x 300 mm | 250 x 350 mm | 250 x 300 mm | None of these |
| 188. | The minimum clearance of ODC , where speed restriction not required | 220 mm | 250 mm | 300 mm | None of these |
| 189. | Short duration maximum vertical clearance | 220 mm | 100 mm | 200 mm | None of these |
| 190. | Long duration maximum horizontal clearance | 220 mm | 100 mm | 250 mm | None of these |
| 191. | Long duration maximum vertical clearance | 290 mm | 350 mm | 250 mm | None of these |
| 192. | Normal implantation of portal | 3 m | 4.75 m | 4.98 m | None of these |
| 193. | Minimum working clearance from live OHE | 3 Mtrs | 2 Mtrs | 1.5 Mtrs | None of these |
| 194. | Minimum implantation of portal upright | 3.00 mtrs | 2. 50 mtrs | 2.36 mtrs | None of these |
| 195. | Length of G jumper | 3.5 mtr | 3.5 mtr | 3.5 mtr | None of these |
| 196. | Min. clearance of OHE for passing ODC with power block on at 15 KMPH | 300 mm | 250 mm | 200 mm | None of these |
| 197. | Distance bet. Male & female contact of isolator | 300 mm | 420 mm | 480 mm | 500 mm |
| 198. | Minimum vertical clearance from OHE to earthed structure for short duration | 380 mm | 320 mm | 220 mm | None of these |
| 199. | Dia of adjustable dropper of SI | 4 mm | 7 mm | 5 mm | None of these |
| 200. | Distance of G jumper from obligatory mast | 4.0 M | 5.2 M | 5.6 M | None of these |
| 201. | Normal length of dwarf mast | 4.1 m | 4.5 m | 4.3 m | None of these |
| 202. | Height of the height gauge at level crossing | 4.5 m | 6.0 m | 4.76-4.78 m | None of these |
| 203. | Minimum height of contact wire at level crossing | 4.5 m | 6.0 m | 5.50 m | None of these |
| 204. | The span length chosen in multiple of | 4.5 m | 4.6 m | 4.7 m | None of these |

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|------|---|--------------|---------------|------------|---------------|
| 205. | Minimum implantation of obligatory mast | 4.65 m | 3.00 m | 4.98 m | None of these |
| 206. | Normal implantation of gantry mast | 4.65 m | 3.50 m | 4.98 m | None of these |
| 207. | Normal implantation at P.F | 4.65 m | 4.75 m | 4.98 m | None of these |
| 208. | Minimum implantation of obligatory mast | 4.75 Mtrs | 3 Mtrs | 2.75 Mtrs | None of these |
| 209. | Minimum implantation on platform | 4.76 m | 4.9 m | 4.77 m | 4.75 m |
| 210. | The height gauge erected at level crossing with clear height above road level | 4.76 Mtrs | 4.80 Mtrs | 4.67 Mtrs | None of these |
| 211. | The length of conventional neutral section is | 41.5 M | 41.0 M | 40.0 M | None of these |
| 212. | The maximum distance between runners of section insulator | 460 mm | 560 mm | 440 mm | None of these |
| 213. | Max. length of turn out span | 48 M | 52 M | 54M | None of these |
| 214. | Dia. of small dropper | 5 mm | 4.0 mm | 4.5 mm | None of these |
| 215. | Minimum height of contact wire at over line structure | 5.5 M | 4.92 M | 5.75 M | None of these |
| 216. | Location of G jumper from support | 5.5 mtr | 5.7 mtr | 5.6 mtr | None of these |
| 217. | Minimum implantation on platform | 5.5 Mtrs | 4.75 Mtrs | 3.0 Mtrs | None of these |
| 218. | Max. Height of height gauge at LC gate. | 5.6 M | 5.56 M | 4.67 M | 4.76-4.78 M |
| 219. | The min. height of contact wire at loco inspection pit | 5.8 M | 5.6 M | 5.55 M | None of these |
| 220. | Wind pressure adopted for OHE for green zone (Light) | 50 kg/sq m | 60 kg/sq m | 65 kg/sq m | 75 kg/sq m |
| 221. | Max. permissible variation in Setting distance : | 50 mm | 30 mm | 40 mm | None of these |
| 222. | Size of G jumper should be | 50 sq mm | 95 sq mm | 105 sq mm | None of these |
| 223. | PTFE neutral section before stop signal should be at a minimum distance | 500 Mtrs | 400 Mtrs | 300 Mtrs | 200 Mtrs |
| 224. | At insulated overlap, the distance between parallel running contact wire | 560 mm | 500 mm | 550 mm | None of these |
| 225. | Cross section area of catenary wire | 67 sq mm | 54.5 sq mm | 62 sq mm | 65 sq mm |
| 226. | Maximum distance between two in span dropper | 7 mtr | 9 mtr | 6 mtr | None of these |
| 227. | Height of catenary wire at support | 7.6 mtr | 8.2 mtr | 7.2 mtr | None of these |
| 228. | Max. span of regulated Tramway type OHE | 72 Mtrs | 67.5 Mtrs | 63 Mtrs | None of these |
| 229. | The pantograph which is mostly used in traction system is | AM-10 | AM-18 | AM-15 | AM-12 |
| 230. | The transverse flexibility of the panto pan is checked by force of | 30 kgf | 40 kgf | 50 kgf | None of these |
| 231. | Ladder should support on _____ while working on OHE | Contact wire | catenary wire | Mast | None of these |
| 232. | Max. height above rail level for a width of 760 mm on either side of centre of unloaded vehicles | 4265 mm | 5550 mm | 4470 mm | None of these |
| 233. | Max. Height of X-class Locomotive above rail level for a width of 305 mm on either side of centre of empty locomotives. | 5225 mm | 5550 mm | 4470 mm | None of these |
| 234. | Allowance to be made for raising of tracks to permit modern track structure to be introduced | 250mm | 200mm | 275mm | None of these |
| 235. | If length of any package before loading exceeds _____ it is to be treated as ODC or out of gauge load. | 13651 mm | 13716 mm | 13825 mm | None of these |

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|------|--|--------------|-------------------|------------------|---------------|
| 236. | If width of any package before loading exceeds _____ it is to be treated as ODC or out of gauge load. | 2885 mm | 2970 mm | 2997 mm | None of these |
| 237. | If top width of any package before loading exceeds _____ it is to be treated as ODC or out of gauge load. | 610 mm | 622 mm | 632 mm | None of these |
| 238. | If height at centre of any package before loading exceeds _____ it is to be treated as ODC or out of gauge load. | 2134 mm | 2743 mm | 2885 mm | None of these |
| 239. | If height at corner of any package before loading exceeds _____ it is to be treated as ODC or out of gauge load. | 2134 mm | 2743 mm | 2885 mm | None of these |
| 240. | Min. clearance for movement of ODCs at unrestricted speed with power ON | 250 mm | 220 mm | 200 mm | None of these |
| 241. | Min. clearance for movement of ODCs at a restricted speed of 15 Km/h with power ON (ODCs would not be stopped under critical locations) | 250 mm | 220 mm | 200 mm | None of these |
| 242. | Physical clearance between contact wire and ODCs when moved under power OFF condition to prevent physical entanglement. | 150 mm | 125 mm | 100 mm | None of these |
| 243. | The minimum setting distance of the gantry upright which is normally aligned parallel to the track shall be | 4.3 m | 3.5 m | 4.0 m | None of these |
| 244. | Which is modern technology of Current collection inspection | Thermography | Ultrasonic tester | GPS based system | None of these |
| 245. | ODC class of load having a gross clearance of 150 mm (6") and above but less than 230 mm (9") from fixed structures. | A Class | B Class | C Class | None of these |
| 246. | ODC class of loads having a gross clearance of 230 mm (9") and above from the fixed structures all-round but infringe the standard moving dimension. | A Class | B Class | C Class | None of these |
| 247. | ODC class of loads having gross clearance of less than 150 mm (6") but more than 80 mm (3") from fixed structures. | A Class | B Class | C Class | None of these |
| 248. | Thermography of OHE done every | 3 month | 4 month | 6 months | None of these |
| 249. | Thermography of OHE in ghat section done every | 6 months | 12 months | 8 months | None of these |
| 250. | Maximum speed of tower wagon during Power block | 25 kmph | 15 kmph | 10 kmph | None of these |
| 251. | Maximum speed of tower wagon under Power block with raised platform | 20 | 15 | 10 | 5 |
| 252. | MR pressure should be _____ kg/Sq.cm before running Tower wagon | 5 | 7 - 8.5 | 4.5 | None of these |
| 253. | D' Check of engine should be done after | 1500 Hrs. | 600 Hrs. | 300 Hrs. | None of these |
| 254. | BP pressure should be in running condition _____ kg/Sq.cm.? | 5 | 6 | 3 to 7 | None of these |
| 255. | Oil recommended for hydraulic transmission is _____ ? | HP-90 | 15W40 | 20W40 | None of these |

| SN | Question | A | B | C | D |
|------|---|-----------------------|---------------------|---------------------|---------------|
| 256. | Transmission system used in DETC | Electric | Mechanical | Hydraulic | None of these |
| 257. | Make of transmission used in DHTC | TATA | Hindustan Motors | KPC | None of these |
| 258. | In the event of electrical start failure, Tower wagon engine can be started _____ | Manually | Mechanically | Remotely | None of these |
| 259. | When water level become low in radiator, Tower wagon engine will be | Stopped | Come to idle | Continue to running | None of these |
| 260. | Tower wagon engine come to idle and transmission will be disengaged if transmission oil temperature increased beyond | 105 Degree | 125 Degree | 95 Degree | None of these |
| 261. | In case of Lub oil pressure low, the Tower wagon will be | Stopped | Continue to running | Engine come to idle | None of these |
| 262. | Speed potential of Mark-II, 4 wheeler tower wagon | 30kmph | 40kmph | 50kmph | None of these |
| 263. | Transmission used in Mark-II, 4 wheeler tower wagon | Traction motor system | gear box system | hydraulic system | None of these |
| 264. | Brake system used in Mark-II, 4 wheeler tower wagon | Vacuum | Air brake | Electric | None of these |
| 265. | Brake system used in 8-wheeler DHTC tower wagon | Vacuum | Air brake | Electric | None of these |
| 266. | In 8-wheeler DHTC TW, A-9 valve is | Automatic | semi-automatic | Manually | None of these |
| 267. | In 8-wheeler DHTC TW, solenoid valve is | SOV5 | S-5 | S9 | None of these |
| 268. | In 8-wheeler DHTC TW, _____valve is used to start and run the engine. | CS2 | S-5 | S9 | SOV5 |
| 269. | In 8-wheeler DHTC TW, _____ valve is used for speed control of engine with the help of CS3. | CS2 | SOV1-4 | SOV5 | None of these |
| 270. | In 8-wheeler DHTC TW, pressure switches _____ are used for forward/reverse clutch pressure for the safety of transmission | PS1 & PS4 | PS2 & PS3 | PS5 & PS7 | None of these |