OBJECTIVE QUESTION BANK

For

JUNIOR ENGINEER (P.WAY)

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NAGPUR DIVISION

CENTRAL RAILWAY

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OBJECTIVE

Principal, Divisional Training Center (Engineering) AJNI, NAGPUR DIVISION has prepared Objective Question Bank for Junior Engineer (P.Way).

This question bank is prepared in English & Hindi both Language for utilizing maximum number of engineers.

This Objective Question Bank is only for guideline.

S.S. JOSHI

PRINCIPAL

DIVISIONAL TRAINING CENTER

(ENGINEERING) AJNI

NAGPUR DIVISION, CENTER RAILWAY

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1. RAILWAY TRACK STRUCTURE AND BRIDGE

1. Height of 52kg rail is

a)151mm b) 153 mm c) 156mm d) 157mm

2. Height of 60 kg rail is

a) 170 mm b) 172 mm c) 173 mm d) 175 mm

3. Flange width of 60 kg rail is

a) 150 mm b) 149 mm c) 152mm d) 154 mm

4. Web thickness of 60 kg rail is

a) 13.5 mm b) 14.0 mm c) 15.5 mm d) 16.5 mm

5. Permanent rail closure on bridge approach should not be less than

a) 9 m. b) 10 m c) 11m d) 12 m

6. Allowable shear stress of 90 UTS rail is kg/mm^2

a) 20 b) 21 c) 22 d) 22.5

7. Allowable shear stress of 72 UTS rail is kg/mm^2

a) 17 b) 18 c) 19 d) 20

8. Stipulated service life of 60kg 90 UTS rail is

a) 550 GMT b) 600 GMT c) 725 GMT d) 800 GMT

9. Stipulated service like of 60 kg 72 UTS rail is

a)450 GMT b) 500 GMT c) 550 GMT d) 700GMT

10. Stipulated service like of 52 kg 90 UTS rail is

a) 450 GMT b) 525 GMT c) 550 GMT d) 700 GMT

11. Stipulated service like of 52 kg 72 UTS rail is

a) 325 GMT b) 350 GMT c) 450 GMT d) 525 GMT

12. Test free period for the rails rolled in April 99 and onward

a) 15% b) 20% c) 25 % d) 30 %

13. Unit of Hardness of rail is.

a) AHN b) BHN c) CHN d) DHN

14. Hardness of 72 UTS rail is BHN

a) 200 b) 220 c) 240 d) 250

15. Hardness of 90 UTS rail is BHN

a) 260 b) 265 c) 270 d) 280

16. Fastenings are need on girder bridges.

a) Elastic b) Metal c) Rail Free d) None of the

17. Minimum depth of ballast cushion in LWR is

a) 150 m b) 200m c) 300 m d) 350 m

18. Minimum depth of ballast orison in TWR is

a) 200 m b) 300m c) 250m d) 350 m

19. Minimum clean ballast cushion required for machine temping is

a) 150 mm b) 200 mm c) 250mm d) 250 mm

20. Retention ofballast on 40 mm square mesh sieve should be

a) 20 % to 30 % b) 30% to 40% c) 40% to 50 % d) 40% to 60 %

21. Retention at ballast on 65 mm squares mesh service should be

a) 2 % b) 4 % c) 5 % d) 6 %

22. Retention of machine crashed ballast on 20 mm squares mesh sieve Should not be less

a) 95 % b) 96 % c) 97 % d) 98 %

23. Retention of hand broken ballast on 20 mm squares mesh sieve Shouldnot be less than

a) 92 % b) 95 % c) 97 % d) 98%

24. Size of screen for ballast measurement is

a) 100 X 70X10 cm b) 110X70X10cm
c) 100X70X20cm d) 100X75X10cm

25. Height of ballast stack in plain area should not be less than

a) 0.50 m b) 1.0m c) 1.5m d) 2.0 m

26. Height of ballast stack in hilly area should not be less than

a) 0.50 m b) 1.0 m c) 1.5 m d) 2.0 m

27. Height of ballast stack should not be more than

a) 1.5 m b) 2.0 m c) 2.5 m d) 3.0 m

28. Where concrete sleeper turn out are laid, what shall be provided between SEJ and SRJ

a) 1 rail panel b) 2 rail Panel c) 3 Rail Panel d) None

29. Number of butter rails used in LWR in zone III and IV is

a) 4 b) 3 c) 2 d) 1

30. How much distance is provided from abutment ant of a girder bridge in LWR for SEJ

a) 10m b) 15 m c) 16 m d) 18 m

31. What is the total water way equal to or more than in m^2 which called OnImportantbridge .

a) 100 b) 200 c) 500 d) 1000

32. In which time inspection of bridge done by SSE/P. way once in a year

a) Before Monson b) During monsoon c) Post Monson d) All

33. Railway Bridge having total water way of less than 18m or clear span of less Than 12 min single span is called

a) Minor b) majar c) Important d) None

34. A railway bridge having total linear water any of 18 m or more is called

a) Minor b) majar c) Important d) None

35. When the railway cross a deep valley without perennial water it is Called.

a) Bridge b) Tunnel c) viadnct d) None

2. TRACK MAINTENANCE

36. Permanent rail closure on bridge approach should not be less than

a) 9 m. b) 10 m c) 11m d) 12 m

37. Allowable shear stress of 90 UTS rail is kg/mm^2

a) 20 b) 21 c) 22 d) 22.5

38. Allowable shear stress of 72 UTS rail is kg/mm^2

a) 17 b) 18 c) 19 d) 20

39. Sleeper spacing is 65 cm in LWR the number SWR of sleeper in each km will be

a) 1500 b) 1540 c) 1600 d) 1660

40. With 1660 nose sleeper in a km the sleeper spacing shall be

a) 50 b) 55 c) 60 d) 65

41. Fastenings are need on girder bridges.

a) Elastic b) Metal c) Rail Free d) None of the

42. In normal areas initial toe load testing of E.R.C shall be done after Passage of 4 year orGMT which we is earlier

a) 100 b) 150 c) 200 d) 250

43. In corrosion prone areas initial toe load testing of ERC shall be done after what years on 100 GMT which is earlier

a) 1 b) 2 c) 3 d) 4

44. Frequency of lubrication of ERC in corrosion prone area is

a) Once in 1 year b) once in 2 year
c) Once in 3 year d) once in a 4 year

45. Frequency of lubrication of ERC in non- correction prone area is

a) Once in 1 year b) once in 2 year
c) Once in 3 year d) once in a 4 year

46. In lin 12 famed shaped turnout total no of approach and emit sleeper is

a) 11 b) 13 c) 15 d) 17

47. Total number of concrete sleeper in lin 12 fan shapedturn out is

a) 84 b) 91 c) 93 d) 96

48. Total number of concrete sleeper in lin 8 ½fan shaped turn out is

a) 61 b) 65 c) 67 d) 70

49. The total length of sanl hump from ANC is

a) 60m b) 66 m c) 72 m d) 78 m

50. The clearance between guard rail and running rail on B-G- track is

a) (250 # 25) mm b) (250 # 50) mm
c) (250 # 25) mm d) (250 # 55) mm

51. Catch water drain are constructed where height of cutting is more than

a) 3m b) 4m c) 5 m d) 5.5m

52. In track circuit areas liner used

a) non insulated b) iron c) metallic d) insulated

53. W/L board is provided at a distance from levelcrossing

a) 500m b) 600 m c) 800m d) none of this

54. The length of check rail at level crossing is how much more than the width of road

a) 1.0 m b) 1.5 m c) 2.0 m d) 3.03 m

55. Maximum length of LWR is

a) 1000m b) 2000 m c) one block section d) none

56. Maximum gradient of on which LWR can be laid is

a) lin 50 b) 1in 100 c) lin 136 d) lin 150

57. During repaired of buckled track minimum length of closer required is

a) 4.5 m b) 5.0 m c) 6.0 m d) 6.5 m

58. Deep screening can be done in LWR/ CWR without cutting when temperature fall within

a) t_d+10^{o}c to t_d -20^{oc} b) t_d+10^{oc} to t_d-10^{oc}

c) t_d+20^{oc} to t_d-20^{oc} d) t_d+20^{Oc} to t_d-10^{oc}

59. For allowing expansion / construction at ends of LWR/CWR
The devices Provided is

a) Buffer rail b) SEJc) Point Of crossing d) G/ued joint

60. Regular maintenance in LWR/CWR can is done within temperature

a) t_d-20^{oc} to t_d+ 20$^{0\ c}$ b) t_d-30 ^{oc}to t_d+10^{oc}

c) t_d-30^{oc} to t_d + 20^{oc} d) t_d 20 ^{oc} to t+ 10^{0c}

61. Between two unopened spaces of sleeper no. of sleeper may be opened in LWR/CWR during maintenance

a) 15 b) 20 c) 25 d) 30

62. Lowest authority for casual renewal of fastening in LWR when lifting is involved is

a) JE b) Keyman c) Mate d) Trackman

63. Gap at SEJ at td in 52 kg rail shall be

a) 35mm b) 40mm c) 50mm d) 60mm

64. Oiling and greasing of SEJ is done once in how many days by key man

a) 7 b) 10 c) 12 d) 15

65. In LWR Mate can replace one sleeper out of how many sleeper

a) 20 b) 25 c) 30 d) 40

66. Lifting of track in one stage in LWR with concrete sleeper should not bemoreThan

a) 50mm b) 35mm c) 40mm d) 25mm

67. Which type of glued joint should be used in LWR track

a) G3 b) G4M c) G3L d) G3M

68. The LWR which would continue through station yard including point and Crossing is known as

a) SEJ b) SWR c) CWR d) NONE

69. Repairs to rail breakage in LWR track is done in how many stages

a) 4 b) 3 c) 2 d) 1

70. Repairs to buckled track in LWR track is done in how many stages

a) 1 b) 2 c) 3 d) 4

71. Temporary distressing shall be carried out how much below the MaximumRail temperature likely to be attained during deep screening work

a) 5^0c b) 10^0c c) 15^0c d) 20^0c

72. During distressing the rail should be lifted and placed on roller at every WhichSleeper

a) 10^{th} b) 12^{th} c) 14^{th} d) 15^{th}

73. Hot weather patrolling is to be introduced in LWR with concrete Sleepers with sleeper density 1540 and above when railed temperature goes beyond

a) td+10^0c b) td+20^0c c) td+25^0c d) All

74. For distressing of LWR by rail tensor tp should be less than

a) tm b)td c) to d) None

75. After maintenance during consolidation period if rail temperature risesabovet_d+20^0c hot weather patrolling can be started by

a) Key man b) MATE c) JE d) None

76. Temporary distressing is valid for how many days

a) 10 days b) 15 days c) 30 days d) 40 days

77. The Gap survey is conducted the which month

a) April b July c) Nov d) Feb

78. Frequency of Gap survey is

a) Once in 4 month b) once in 6 month

c) Once in 1year d) once in 2 year

79. Work which are completed by sunset of the day of commencement are Called

a) Short Duration b) Long Duration

c) Works of routing maintenance d) all

80. Work which are required continues speed restriction for more than 24 hours arecalled

a) Short Duration b) Long Duration

c) Works of routing maintenance d) all

81. Work which are not required any speed restriction or inhibition of hand Signal are called

a) Short Duration b) Long Duration c) routing maintenance d) All

82. At the end of gang beat length of sample of standard section of track Maintained is

a) 100m b) one rail length c) two rail length d) threerail length

83. The entire track must be deep screened at least in how many year

a) one in 5 year b) one in 7 year c) one in 10 year d) one in 15 year

84. For the purpose of track maintenance, what number of turnouts Equivalent to one track km is
a) 8 b) 10 c) 15 d) 18

85. The gauge of concrete sleeper turnout is

a) 1670mm b) 1673mm c) 1670mm d) 1168mm

86. Track is considered for renewal after it has carried what limit of GMT for BG having rail section of 60 kg / 90 VTS

a) 525 b) 550 c) 800 d) 880

87. What is the maximum distance between two boundary stone?

a) 50m b) 100m c) 125m d) 150m

88. Which equipment is not required with hot whether petroleum

a) Detonator b) red flag c) green flag d) staff

89. What is the symbol of defect of cross level?

a) C-2 b) Hor P c) OI +- d) 

90. What is the symbol of defect of loose packing?

a) C-2 b) Hor P c) O+- d) 

91. What is the symbol of defect of gauge?

a) C-2 b) Hor P c) O+-d) 

92. What is the symbol of defect of alignment?

a) C-2 b) Hor P c) O+-d) 

3. CURVE

93. Minimum radius of vertical curve of A route should be

a) 1500 M b) 2000M c) 3000M d) 4000M

94. Minimum radius of vertical curve on B route should be

a) 2000 M b) 2500M c) 3000M d) 4000M

95. During packing which rail shall be treated as base rail on curve

a) Inner b) Outer c) Both d) None

96. Which rail on curve shall be taken as sighting rail?

a) Inner b) Outer c) Both d) None

97. The maximum degree of curve for BG curved track is

a) 4^0 b) 6^0 c) 8^0 d) 10^0

98. Maximum cant permitted on Acategory BG route is

a) 75mm b) 100mm c) 165mm d) 185mm

99. Maximum cant deficiency on A category BG route is

a) 60mm b) 75mm c) 90mm d) 100mm

100. Maximum cant excess on A category BG route is

a) 60mm b) 75mm c) 85mm d) 100mm

101. Versine of a curve are measured on a cord of

a) 6m b) 9m c) 10m d)20m

102. When a train travels around around a curve at the speed higher ThanEquilibrium speed then what occurs?

a) Can't b) Cant deficiency c) Cant excess d) none

103. When a train travels around a curve at a speed lower than equilibrium speed than what occurs

a) cant b)cant deficiency c) cant excess d) none

104. Extra clearance for inside of a curved track on platform lines Should be reduced by what amount for the calculated value
a) 25MM b) 50MM c) 51MM d) 60MM

105. Extra Clearance for outside of a curved track on platform lines Should be reduced by what amount for the calculated value

a) 25MM b) 50MM c) 51MM d) 60MM

106. Where super elevation remains constant in curve

a) Circular b) Transition c) complete d) All

107. The super elevation at the beginning of transition curve is

a) Zero b) 20 c) 10 d) None

108. What is the limit of variation of versing in MM for realignment BG Curve for speed of 120 kmph and above of average circular versines

a) 10mm b) 15m c) 20m d) 25m

109. What is the limit of variation of versing in mm for realignment and curve of BG for speed range of 80 to 120 kmph of average circular versines
a) 10mm b) 15mm c) 20mm d) 25mm

110. What is the limit of variation of versine in MM for realignment BG curve for speed range 50 to 80 kmph of average circular?
a) 10mm b) 15mm c) 20mm d) 40mm

4. ON TRACK MACHINE

111. The squeezing pressure for PSC sleeper is how much kg/cm^2

a) 50-60 b) 80-100 c) 110-120 d) 120-130

112. No. of insertion up to what lift in PSC sleeper is one

a) 20mm b) 30mm c) 40mm d) 50mm

113. Which lining system is being used in case of latest machine?

a) Single cord b) double cord c) Three cord d) None

114. Technical name of the machine used for consolidation of track is

a) DGS b) DTS c) TTM d) CSM

115. At the close of machine tamping work, ramp should be

a) lin 500 b) lin 600 c) lin 1000 d) None

116. What is tamping tool depth below the bottom edge of sleeper in Case of flat bottom sleeper

a) 6-8mm b) 8-10mm c) 9-10mm d) 10-12mm

117. What number of sleeper can be placed by tamping express at a Time

a) 4 b) 3 c) 2 d) 1

118. Number of insertions are required on PRC sleeper road when lift is more than 30 mm

a) 2 b) 1 c) 3 d) nill

119. What is the frequency of tamping of PRC sleeper is

a) 50GMTor 1 year b) 100 GMT or 1 year

c) 100 GMT or 2 year d) 200 GMT or 2 year.

120. What is the permissible wear on tamping tool of standard size

a) 20% b) 25% c) 15% d) 10%

121. Name the machine used in ballast cleaning of points and crossing

a) FRM – 80 b) T28 c) RM-76 d) CSM

122. The machine used for shoulder ballast cleaning is

a) FRM - 80 b) T28 c) RM 76 d) CSM

123. After one round of tamping along with DTS after deep screening The traffic can be resumed with speed restriction of

a) 20kmph b) 30kmph c) 40kmph d) CSM

124. Which machine is used for turnout renewal?

a) PQRS b) BCM-28 c) T-28 d) RM-76

125. In which mode machine tamping should always be done.

a) Design mode b) normal c) both d) none

126. The auxiliary track for PQRS working canbe allmost higher than The existing track by

a) more than 50 mm b) more than 40 mm

c) more than 30 mm d) None

5. TURNOUT AND USFD

127. Permissible limit of wearon nose of CMS crossing is

a) 6mm b)7mm c) 8 mm d) 10mm

128. How much mm is deducted from measured value of wear in case of 60 kg CMS crossing

a) 1.5 b)2.0 c) 2.5 d) 3.0

129. How much mm is dedicated from measured value ofwear in case of 52 kg CMS crossing

a) 1.5 b)2.0 c) 2.5 d) 3.0

130. To ensure gapless joint in CMS crossing the dia of rail hole Should be kept strictly as

a) 26 mm b)26.5 mm c) 27mm d) 31mm

131. Which type of electrodes are used for reconditioning of CMS Crossing

a) H1 b)H2 c) H3 d) H4

132. In lin 12 fan shaped layout total no of approach and exit sleepers is

a) 11 b)13 c) 15 d) 17

133. Total no of concrete sleeper in lin 12 fan shaped turnout is

a) 84 b)91 c) 93 d) 96

134. Total no of concrete sleeper in lin $8^{1/2}$ fan shaped turnout is

a) 61 b)65 c) 67 d) 70

135. Switch length of lin 12 fan shaped layout is

a) 8800 mm b)9500 mm c)10125 mm d) 11000 mm

136. Switch length of lin 8 1/2 fan shaped layout is

a) 6000 mm b) 6400 mm c) 6800 mm d) 7100 mm

137. Overall length of lin 12 fan shaped turnout is

a) 37850 mm b)38700 mm c)39900 mm d) 39975mm

138. Overall length of lin 8 ½ fan shaped turnout is

a) 28789 mm b)28710 mm c)27980 mm d) 27800 mm

139. Maximum permissible speed in lin 8 ½ fan shaped turnout is

a) 8 kmph b) 10 kmph c)15 kmph d) 20 kmph

140 Maximum permissible speed on 1 in 8.5 symmetrical split is

a) 10kmph b) 15kmph c) 20kmph d) 30kmph

141) Maximum permissible speed on 1 in 12 fan shaped turnout is

a) 10kmph b) 15kmph c) 20kmph d) 30kmph

142) Length of 1 in 12 CMS crossing is

a) 3600 mm b) 4100mm c) 4350mm d) 4600mm

143) Length of 1 in 8.5 CMS crossing is

a) 3330 mm b) 3400mm c) 3850mm d) 3900mm

144) Versing in lead portion are measured on a chord of length

a) 3m b) 4.5 m c) 6 m d) 9m

145. Defective well shall be marked with following cross

a) One red cross b) two red cross
c) One yellow cross d) two yellow cross

146. IMR rail should be replaced within days of detection.

a) One b) two c) three d) four

147. In USFD coding 421 "4" means

a) Rail b) Welding c) Joint d) Hole

148. First periodic test for AT welding should be done after

a) 1 year b) 1 ½ year c)2 year d) 3 year

6. MISCELLANEOUS P. WAY ITEMS

149. Indian railway is divided in how many zones based on rail temperature

a) 4 b) 3 c)2 d) 1

150. The medical standard of a gateman should be

a) A I b) A III c) B II d) C

151. Maximum vertical alignment tolerances on surface of head at end of the 1 m straight edge for new SKV weldis

a)+1.00 mm/ -0.00mm b)+0.5/-0.5 mm

c)+1.0/-0.4 mm d) +11.0/0.5 mm

152. Maximum vertical tolerance of finished welding on surface of head at 10 cm straight edge is

a) +0.5mm/-0.0mm b)0.4 mm/-0.0mm

c)0.4mm/-0.1mm d) +0.5mm/-0.1 mm

153. Maximum lateral alignment tolerances of finished welding on 1 m straight edge is

a) 0.4 mm b)0.3 mm c)0.5 mm d) 0.6 mm

154. Maximum lateral alignment tolerance of finished weld on 10 cm straing edge is

a) 0.2 mm b)0.3 mm c)0.4 mm d) 0.5 mm

155. Pre-heating time from AT welding by air petrol mix is

a) 8-10 min b)10-12 min c)15-18 min d) 18-20 min

156. Final grinding of weldshould be completed within hours

a) 12 b)16 c)18 d) 24

157. The vertical wear of rails should not be more than for welding Purpose

a) 6 mm b) 8 mm c)10 mm d) 12mm

158. Competency certificate for working is LWR / CWR is valid for

a) 1 year b) 2 year c) 2 1/5 year d) 3 year

159. While working a push trolley, the distance of protection in case view is not clear on B.G

a) 30 m b) 600 m c) 900 m d) 1200m

160. What is duration of pre monsoon attention?

a) 3 months b)2 months c)4 months d) 1 months

161. Duration of monsoon attention period is

a) 2 months b)3 months c)4 months d) 1 months

162. Duration of past monsoon attention is

a) 6 month b) 4 month c)3 month d) 2 month

163. Longitudinal movement of rail is called

a) Expansion b) Contraction c) CREEP d) SEJ

164. Usually adjustment of rail is needed whenever creep exceeds

a) 150 mm b) 200 mm c) 100 mm d) 50 mm

165. Unevenness is measured on base of

a) 1.5 m b) 3.0 m c) 3.6 m d) 7.2 m

166. When visibility is restricted the push trolley on BG shall be Protected by a flagman having hand signal with what number

a) 1 b) 2 c) 3 d) NONE

167. The distance covered in a day by a patrol man should not Normally exceed

a) 6 km b) 10 km c) 15 km d) 20 km

168. Minimum distance between two motor trolleys running together on same line should be

a) 500 m b) 400 m c) 200 m d) 100 m

169. Rail dollies shall not be worked on gradients steeper's than

a) lin 200 b) lin 100 c) lin 60 d) lin 50

170. Mold waiting time should be

a) 2-3 min b) 3-4 min c) 4-5 min d) 4-6 min

171. Validity period of compentency certificate of welder is

a) 6 months b) 1 year c) 2 year d) 2 ½ year

172. Maximum size of ballast on B.G routes is

a) 75mm b) 65mm c) 40mm d) 20mm

173. Permissible loss of weight in 60 kg rail section is

a) 2% b) 6% c) 8% d) 10%

174. Gauge of auxillary track shall be

a)1676mm b) 1680mm c)1750mm d)3400mm

175. In which condition, by push trolley the track is inspected

a) Loaded b) Floating c) Both d) None

176. In which condition by foot plate/rear van the track is inspected

a) Loaded b) Floating c) both d) None

177. What parameter of oscillatons are recorded by OMS 2000

a) Vertical b) Lateral c) Both d) None

178. Frequency of track recording on route above 130kmph is

a) 15 days b) 1 month c) 2months d) 3months

179. Frequency of OMS 2000onroute with speed 110 kmph is

a) once in month b) 2 month c) 3 months d)m months

180. Minimum no of member in Sr. subordinate enquiry committee are

a) 1 b) 2 c) 3 d) 4

181. What is the maximum limit of persons which can sit on a BG Push Trolley?

a) 4 b) 6 c) 8 d) 10

182. Validity period of competency certificate for push trolley is

a) 1 year b) 2 year c) 5 ½ year d) 3 year

183. In which station neutral zone is available

a) A class b) B class c) C class d) all

184. Which aspect shown in normal position in automatic signal

a) Green b) Double yellow c) Yellow d) Red

185. What aspect shown in normal position in calling on signal

a) Red b) Yellow c) White d) No sight

186. Safety range in electrified areas is

a) 1 m b) 1.5 m c) 2.0 m d) 3.0 m

187. Maintenance of track is not required if the TGI is

a)>80 b)>85 c)>90 d) >100

188. What parameter of OMS called bad spot

a) > 0.30g b) > 0.10g c) >0.35g d) All

189. Value of total gap at joint of SKV welding is

a) $20^{+}/^{-}2$mm b) $24^{+}/^{-}1$mm c) $25^{+}/^{-}1$mm d) $25^{+}/^{-}$ 2mm

190. When the rail is fractured, at what gap closure should be put in to the track

a) 15mm b) 20mm c) 25mm d) 30mm

191. What is the radius in which no one should allowed while testing Detonators

a) 20m b) 25m c) 45m d) 50m

192. Rail renewed become due for BG 60 kg rail section where vertical wear exceeds

a) 8mm b) 10mm c) 12mm d) 13mm

193. Rail renewed become due for BG 52 kg rail section where vertical wear exceeds

a) 6mm b) 8mm c) 10mm d) 13mm

194. Track parameter are recoded is TRC in a block of what length

a) 50m b) 100m c) 200m d) 300m

195. What parameters are OMS required urgent attention

a) >0.35g b) 0.33g c) 0.30g d) 0.25g

196. TGI less than 80 is considered for what type track maintenance

a) Urgent b) planed Base c)aeed base concept d) None

197. TGI less than 50 is considered for what type track maintenance

a) Urgent b) Planed base c)need base concept d) None

198. TGI less than 36 is considered for what type track maintenance

a) Urgent b) Planed base c) need base conceptd) None

199. under which correction slip oiling and grissing of ERC is not the Part of Key man duty

a) 141 b) 142 c) 144 d) 145

7. SPEED RESTRICTION AND SUPERVISION LEVEL

200. The first train after emergency repair to rail breakage should be passed with speed of

a) Stop with 10 kmph b) 10 mmphc) 20 kmph d) 30 kmph

201. For distressing purpose a caution order of what kmph should be Imposed

a) 15 b)20 c)30 d)45

202. After maintenance in LWR track with concrete sleeper but consolidation period is due and rail temperature rises above t_d+20^0c what S. R. should be imposed in BG

a) 20 kmph b) 30kmph c) 45 kmph d) 50kmph

203. In deep screened track with manual packing the normal speed is Restored on.

a) 10^{th} day b) 15^{th} day c) 18^{th} day d) 21^{st} day

204. In deep screened track with machine packing the normal speed is restoreon

a) 8^{th} day b) 10^{th} day c) 12^{th} day d) 15^{st} day

205. In case of stop dead restriction cautioned indicate shall be Permit at which Distance from work site

a) 30m b) 600m c) 800m d) 1200m

206. In case of of medical speed rationed caution indicator shall be provided at which distance from work like

a) 30 m b) 600 m c) 800 m d) 1200 m

207. In which distance banner flag should be placed from work spot on BG Track

a) 30 m b) 200 m c) 400 m d) 600 m

208. In which distance speed indicator should be placed from work spot

a) 15m b) 30m c) 100 m d) 600 m

209. Minimum speed restriction to be imposed for track renewal is

a) 10kmph b) 15kmph c) 20kmpm d) 30kmph

210. In what distance the first detonate to be fined from obstruction during emergency

a) 30m b) 600 m c)1200 m d) 1220 m

211. While using rail clustered as temporary arrangement what speed Restriction be imposed

a) stop and 10kmph b) 20kmph c)30kmph d)45kmph

212. What speed restriction imposed when sleeper fastening on Alternative sleeper are loosened before distressing in BG

a) 10 kmph b) 15kmph c) 20 kmph d) 30 kmph

213. For emergency repairs to buckled track minimum teal of supervision is

a) JE b) SSE c) Mate d) key man

214. Mechanical screening of ballast in LWR should be done in the supervision of

a) Mate b) Key Man c) JE/ SSE d) all

215. Minimum level of supervision for renewal of fastening not Requiring lifting in LWR track is

a) Track man b) Key man c) Mate d) none

216. Minimum level of supervision for renewal of fastening requiring Lifting in LWR track is

a) Mate b) JEE c) Key man d) none

217. Minimum level of supervision for carrying out Welding of rail Joints at site is

a)JE b) PWS c) SSEd) none

218. Which lowest level supervision the making up shortage of ballast in shoulder at isolated plate

a)Mate b) Key man c) JE d) ALL

219. Which lowest level supervision doing all operation regarding Distressing

a)SSE b) JE c) ADEN d) Mate

220. Which lowest level supervision attended the emergency repairs In buckling

a) SSEb) JE c) Key man d) Mate

221. Which lowest authority can check the SEJ, oiling and greasing with renewal of fittings once a fort night

a)Patrol man b) Key Man c) Mate d) JE

8. INSPECTION SHEDULE

222. SSE/P Way should check the equipment's of level crossing once

a) in a month b) in a two month

c) in a three month d) In a four month

223. SEJ's are respected by sectional / in charge (JE/SSE) once in how many days in hottest and coldest months

a)15 b) 30 c) 45 d) 60

224. SEJ's are respected by sectional / in charge (JE/SSE) once in how many months accept hottest and coldest months

a) 1 b) 1.50 c) 2.50 d)2

225. Frequency of push trolley inspection by in charge SSE for concrete sleeper track under mechanized the maintenance is once in

a)one month b) two month c) fort night d) none

226. Frequency of push trolley inspection by sectional JE /SSE for concrete sleeper track under mechanized the maintenance is once in

a)one month b) two month c) fort night d) none

227. Longitudinal moment of rail is called

a) Expansion b) contraction c) creeps d) SEJ

228. Frequency of land boundary inspection by SSE is

a) once in 3 month b) once in 4 month

c) once in6 month d) once in a year

229. Frequency of gang tools checking by in charge SSE is

a) Once in a month b) fort night

c) once in 2 month d) Once in three month

230. In what specified time sectional JE/SSE (P.Way) should inspect entire section on foot in a systematic manner

a) 3 month B) 6 month c) 9month d) 12 month

9. SCHEDULE OF DIMENSIONS (SOD)

231. Cross slop on top of formation is

a) 1 in 30 b) 1 in 36 c) 1 in 40 d) 1 in 20

232. Width of formation for single line BG embankment with PSC sleepers

a) 6250 mm b) 6550 mm c) 6850 mm d) 7000 mm

233. C/C distance of track on BG for new construction is

a) 4625 mm b) 4800 mm c)5000 mm d) 5300mm

234. Width of formation for double line BG in embankment with PSC Sleepers

a) 12000 mm b)12150 mm c) 12155 mm d) 12200 mm

235. Width of formation for single line BG in cutting with PSC sleepers

a) 6000 mm b) 6250 mm c) 6400 mm d) 6600 mm

236. Width of formation for double line BG in cutting the PSC sleepers

a) 10500 mm b)11300 mm c)11550 mm d) 12000 mm

237. Formation width for double line BG in embankment with PSC sleepers for new construction is

a) 12155mm B) 12550mm c) 13000 mm d) 13160 mm

238. Formation width for double line BG in cutting with PSC sleeper for new construction is

a) 12155mm B) 12550mm c) 13000 mm d) 13160 mm

239. Formation width for single line BG in embankment with PSC sleeper for new construction is

a) 6850mm B) 7150mm c) 7850 mm d) 8000 mm

240. Formation width for single line BG in cutting with PSC sleeper for new construction is

a) 6850mm B) 7150mm c) 7850 mm d) 8000 mm

241. Site slope of formation in embankment should not be steeper

Then

a) 1:1 b) 1.5 :1 c) 2:1 d) 2.5 :1

242. Bottom of site drains should be centimeter below the chess

a) 20 b) 30 c) 35 d) 40

243. Maximum check rail clearance for 1673 mm gauge is

a) 44mm b)45 mm c) 47 mm d) 48 mm

244. Minimum check rail clearance for 1673 mm gauge is

a) 38 mm b)40 mm c) 41 mm d) 43 mm

245. Heel divergence in case of 1 in 12 fan shaped turn out is

a) 150 mm B) 160 mm c) 175 mm d) 183 mm

246. Minimum distance of get post from center line of nearest track is

a) 3m B)4 m c) 4.5 m d) 6 m

247. In normal cases height gauges shall be located at a distance of from the gate post.

a) 4 m B)5 m c) 6 m d) 8m

248. Minimum distance of duty hut from center line of nearest track and edge of road metaling shall be

a) 5 m B) 6m c) 8 m d) 10 m

249. Banner flag at level crossing shall be provided at a distance from the ends of the check rail

a) 2 m B) 3m c) 4 m d) 5 m

250. The census of special class level crossing is done once in

a) 1 .5 year B) 2 year c) 2.5 year d) 3 year

251. On platform lines the distance Pieces are provided at an interval

a) 30 m B) 20m c) 15 m d) 10

252. Following mark is provided between to track when the distance between two track is less than

a) 4.265m c/c b) 4.60m c/c c) 4.625m c/c d) 4.8m c/c

253. Minimum height above R. L. of a high level passenger platform is

a) 700 mm b) 740mm c) 760mm d) 780mm

254. Maximum height above R. L. of a high level passenger platform is

a) 760 mm b) 800mm c) 810mm d) 840mm

255. The minimum gape of check rail in level crossing is

a) 45 mm b) 46mm c) 48mm d) 51mm

256. The maximum gape of check rail in level crossing is

a) 48 mm b) 51mm c) 57mm d) 59mm

257. Maximum clear distance between to consecutive sleeper on Girder Bridge for new work should not be more then

a) 250 mm b) 300mm c) 350mm d) 450mm

258. Maximum horizontal distance from center track to face of any platform wall

a) 1870mm b) 1890mm c) 1905mm d) 1910mm

259. Minimum horizontal distance from center track to face of any

Platform wall

a) 1675mm b) 1680mm c) 1690mm d) 1910 mm

260. As per SOD minimum radius of curve in BG is

a) 175 m b) 185 m c) 210m d) 250m

261. The minimum horizontal distance from center of track to face of passenger platform copping is

a) 1650 mm b) 1660mm c) 1670mm d) 1680mm

262. The maximum horizontal distance from center of track to face of passenger platform copping is

a) 1680 mm b) 1670mm c) 1660mm d) 1650mm

263. For existing works maximum gradient in station yard is

a) 1 in 200 b) 1 in 400 c) 1 in 600 d) 1 in 1000

264. For new work maximum gradient in station yard is

a) 1 in 1200 b) 1 in 1000 c) 1 in 400 d) 1 in 200

265. The minimum throw of switch on BG thick web switch is

a) 115mm b) 160mm c) 165mm d) 95mm

266. The minimum throw of switch on BG turn out is

a) 95mm b) 100mm c) 115mm d) 120mm

10. ESTABLISHMENT AND RAJBHASHA

267. How many days maternity leave admissible to a female railway employee

a) 90 days b) 120 days c) 160 days d) 180 days

268. How many days paternity leave admissible to a male railway employee

a) 15 days b) 20 days c) 25 days d) 30 days

269. LAP can be accumulated up to what maximum number of days

a) 200 days b)240 days c)300 days d) 360days

270. HLAP can be accumulated up to what maximum number of days

a) 150 days b)250 days c)560days d) no restriction

271. To whom granted child care leave

a) Male railway employee b) female railway employee

c) both d) none

272. In what time within which the appeal can be made to epilate authority

a) 10days b)20 days c)30days d) 45days

273. SF 1 means employee under

a) Suspension b) deemed suspension c) revoke d) none

274. SF 2 means employee under

a) Suspension b) deemed suspension c) revoke d) none

275. SF 4 means employee under

a) Suspension b) deemed suspension c) revoke d) none

276. SF11 is given to a railway employee for

a) Minor penalty b) major penalty c) both d) none

277. SF5 is given to a railway employee for

a) Minor penalty b) major penalty c) both d) none

278. For conducting departmental inquiry the orders to form the committee will be given by

a) ADRM b) DRM c)AGM d) ALL

279. For conducting senior sub ordinate inquiry the orders to form the committee will be given by

a) Sr. DSO b) Sr. DOM c) Sr. DEN d) ALL

280. What is the specified time limit for submission of defense in DAR inquiry

a) 7 Days b) 10 days c) 15 days d) 30 days

281. Color of the first class privilege pass issued to a subordinate is

a) Green b) White c) Yellow d) Pink

282. Color of the first class A privilege pass issued to a officer is

a) Green b) White c) Yellow d) Pink

283. What number of days maximum LAP can be granted at one time

a) 90 Days b) 120 days c) 180 days d) 360 days

284. Chairman of PNM at zonal level is

a) GM b)AGM C)Deputy GM d)None

285. Frequency of PNM meeting at divisional level is

a) 2 month b)3 month c)4 month d) 6month

286. As per minimum wages act limit of hours in a day that employee can do the Work

a) 6 hours b)8 hour c)9 hour d) 12 hour

287. Under hours of employment regulation railway staff working as JE /SSE (P.Way) is categorized as

a) Exclusive b) intermittent c) continues d) none

288. What is the color of first class A privileged pass issued to a subordinate is

a) White b) green c) Yellow d) Pink

289. When Rajbhasha Adhiniyam came in force

a) 1949 b) 1960 c) 1962 d) 1963

290. How many dharaye in Rajbhasha Adhuniyam

a) 5 b) 7 c) 9 d) 11

291. How many languages included in 8th Sedum of Indian constitution as a Rajbhasha

a) 22 b) 16 c) 14 d) 10

292. When Rajbhasha Niyam made by central government

a) 1963 b) 1965 c) 1973 d) 1976

293. As per Rajbhasha Niyam in how many region India devised

a) 3 b) 2 c) 1 d) Nill

294. In which day Hindi Diwas is celebrated every year

a) 14thMarch b) 14th Mayc) 14th September d) 14th November

295. How many members are in Hindi Parliminatory Rajbhasha Samiti

a) 10 b) 20 c) 30 d) 40

11. TENDERS AND ACCOUNTS

296. Verification of stock is done by

a) In charge SSE b) stock verifier c) ADEN d) None

297. The frequency of stock verification for impress store is

a)4 year b) 3 year c) 2 year d) once in a year

298. What number of copies of stock asheet is prepared by stock verifier

a) 3 b) 4 c) 7 d) 6

299. Sores are broadly classified in how many categories

a) 1 b) 2 c) 3 d) 4

300. Frequency of verification of dead stock by stock holder is

a)1 year b) 2 year c) 3 year d) 6 month

301. Frequency of stock verification for MAS stores is

a)1 year b) 5 year c) 3 year d) 6 month

302. What percentage of entry in dead stock register should be checked by ADEN every year?
a)5% b) 10% c) 15% d) 20%

303. Name the tender which is received after opening of tender

a) Late b) delayed c) open d)Global

304. What percentage of earnest money for the work costing up to Rupees 25 per crore shall be

a)1% b) 2% c) 3% d) 5%

305. What percentage of securities deposit for each work shall be charged of total contract value
a)5% b) 7% c) 10% d) none

306. Minimum which rank of officer released securities deposit

a)HA Grade b) JA Grade c) Group B Grade d) all

307. What percentage of contract value shall be deposited as a performance guarantee for the work?

a) 4% b) 6% c) 5% d) 10%

308. What numbers of sealed quotation should be invited

a)1 b) 2 c) 3 d) 4

309. Name the estimate which is prepared to obtain administrative approval

a) Abstract b) detailed c) completion d) none

310. Name the estimate which is prepared to obtain technical sanction of work

a) Abstract b) detailed c) completion d) none

311. Name the estimate which is prepared in super session of construction

a) Abstract b) detailed c) completion d) none

312. Under which section land can be acquired in case of emergency

a) 11 b) 14 c) 17 d) 5

1 jYo Vd LVDpj ,o fct

1- 52 dth jy dh Åpkb gkrh gA
d½ 151 feeh [k½ 153 feeh x½ 156 feeh ?k½ 156 feeh

2- 60 dth jy dh Åpkb gkrh gA

d½ 170 feeh [k½ 172 feeh x½ 173 feeh ?k½ 175 feeh

3- 60 dth jy d Qyt dh pkMkb gkrh gA

d½ 150 feeh [k½ 149 feeh x½ 152 feeh ?k½ 154 feeh

4- 60 dth jy d Qyt dh pkMkb gkrh gA

d½ 13-5 feeh [k½ 14-0 feeh x½ 15-5 feeh ?k½ 16-5 feeh

5- iy d igp ekx e LFkkb jy Dykdj dh yEckb l de ugh gkuh pkfg,A

d½ 9 eh [k½ 10 eh x½ 11 eh ?k½ 12 eh

6- 90;Vh,l jy r vf/kdre vuer f"kEkj LVl dth feeh^2 gkrk gA

d½ 20 [k½ 21 x½ 22 ?k½ 22-5

7- 72 ;Vh,l jy r vf/kdre vuer f"kej LVl dth feeh^2 gkrk gA

d½ 17 [k½ 18 x½ 19 ?k½ 20

8- 60dth 90 ;Vh,l jy dh lfol ykbQ gkrh gA

d½ 550th,eVh [k½ 600th,eVh x½ 725th,eVh ?k½ 800th,eVh

9- 60 dth 72 ;Vh,l jy dh lfol ykbQ gkrh gA

d½ 450th,eVh [k½ 500th,eVh x½ 550th,eVh ?k½ 700th,eVh

10- 52 dth 90 ;Vh,l jy dh lfol ykbQ gkrh gA

d½ 450th,eVh [k½ 525th,eVh x½ 550th,eVh ?k½ 700th,eVh

11- 52 dth 90 ;Vh,l jy dh lfol ykbQ gkrh gA

d½ 325th,eVh [k½ 350th,eVh x½ 450th,eVh ?k½ 525th,eVh

12- viy 11 vkj ckn e fufer jyk d fy; VLV Qh vof/k fdruh gkxhA

d½ 15 ifr”kr [k½ 20 ifr”kr x½ 25ifr”kr ?k½ 30ifr”kr

13- jy dh dBkjrk ekiu dh bdkb gkrh gA

d½ ,,p,u [k½ch,p,u x½ lh,p,u ?k½ Mh,p,u

14- 72 ;Vh,l jy dh dBkjrk ch,p ,u gA

d½ 200 [k½220 x½ 240 ?k½ 250

15- 90 ;Vh,l jy dh dBkjrk ch,p ,u gA

d½ 260 [k½265 x½270 ?k½ 280

16- xbM iyk ij QkLVfue mi;kx djr gA

d½byLVhd [k½eVyx½jyQh ?k½ dkb ugh

17- ,l Mcy ckj e U;ure cykLV d”ku gkrk gA

d½ 150 feeh [k½200 feeh x½250feeh ?k½ 300 feeh

18- ,y Mcy ckj e U;ure cykLV d"ku gkrk gA

d½ 200 feeh [k½ 30 feeh x½ 250feeh ?k½ 350 feeh

19- e"khu Vfpx d fy; U;ure lkQ cykLV d"ku gkuk pkfg,A

d½ 200 feeh [k½ 300 feeh x½ 250 feeh ?k½ 350 feeh

20- 40 feeh oxkdkj Nuu ij fxVVh :duk pkfg,A

d½ 20 ifr"kr l 30ifr"kr [k½30ifr"kr l 40 ifr"kr
x½ 40 ifr"kr l 50 ifr"kr ?k½ 40 ifr"kr l 60ifr"kr

21- 65 feeh oxkdkj Nuu ij fxVVh l vfèkd ugh :duk pkfg,A

d½ 2 ifr"kr [k½ 4 ifr"kr x½ 5 ifr"kr ?k½ 6 ifr"kr

22- e"khu ØbM fxVVh d fy; 20 feeh oxkkdj Nuu ij l de fxVVh ,dy ugh pkfg,A

d½ 95ifr"kr [k½ 96ifr"kr x½ 97 ifr"kr ?k½ 98ifr"kr

23- gkFk nkc rkMh x;h fxVVh d fy; 20 feeh oxkdkj Nuu ij l de feVVh ugh:duk pkfg,A

d½ 92ifr"kr [k½ 95ifr"kr x½ 97ifr"kr ?k½ 98ifr"kr

24- cykLV ekiu d fy; Nuu dk lgt gkrk gA

d½100x70 x 10 leh [k½ 110x 70x 10 leh x½ 100x 70x 20

?k½ 100x 75x 10 leh

25- enkuh {k= e feVVh d pVV dh Åpkb l de ugh gkuh pkfg;A

d½ 0-50 eh [k½ 1-0 eh x½ 1-5 eh ?k½ 2-0 eh

26- igkMh {k= e feVVh d pVV dh Åpkb l de ugh gkuk pkfg;A

d½ 0-50 eh [k½ 1-0 eh x½ 1-5 eh ?k½ 2-0 eh

27- fxVVh d pVV dh Åpkb l vf/kd ugh gkuh pkfg;A

d½ 1-5 eh [k½ 2-0 eh x½ 2-5 eh ?k½ 3-0 eh

28- tgk ØkfØV lykvj Vu vkÅV fcNk; x; g ,lbt ,o ,lvkj,t d chp dkul k iuy gkuk pkfg;A

d½ ,d jy iuy [k½ nk jy iuy x½ rhu jy iuy ?k½ dkb Hkh ugh

29- ,yMCyvkj e tku III ,o IV d fy; cQj jy dh l[;k gkrh gA

d½ 4 [k½ 3 x½ 2 ?k½ 1

30- ,yMCyvkj e xbM iy d ,cjeV l fdruh njh ij nj flj dk ,lbt fc[kr g A

d½ 10 eh [k½ 15 eh x½ 16 eh ?k½ 18 eh

31- fdru ox eh- ;k vf/kd tyekx oky iy dk egRRoi.k iy dgr gA

d½ 100 [k½ 200 x½ 500 ?k½ 100

32- iy dk fufj{k.k ,l,lb @ ih0g 0nkjk o'k e dc ,d ckj dguk pkfg,A

d½ ekulu d igy [k½ekulu e x½ ekulu ckn ?k½ lHkh

33- ftl iy dk dy j[kh; tyekx 18 eh l de gk ;k dkb Hkh Dyhvj LFkku 12 eh ;k vf/kd u gk ml dgr gA

d½ ekbuj [k½ etj x½ bikVV ?k½ dkb ugh

34- ftl iy dk dy j[kh; tyekx 18 eh vf/kd ml dgr gA

d½ ekbuj [k½ etj x½ bikVV ?k½ dkb ugh

35- tc lrr cgko d fcuk xgjh ?kkVh dk jYo ikj djrh g rc ml dgr gA

d½ fct [k½ ljx x½ ok;MDV ?k½ dkb ugh

2. jy dk j[kj[kko

36. iy d igp ekx e LFkkb jy Dyktj dh yEckb l de ugh gkuh pkfg,A

d½ 9 eh [k½ 10 eh x½ 11 eh ?k½ 12 eh

37. 90;Vh,l jy r vf/kdre vuer f"kej LVl dth feeh^2 gkrk gA

d½ 20 [k½ 21 x½ 22 ?k½ 22-5

38. 72 ;Vh,l jy r vf/kdre vuer f"kej LVl dth feeh^2 gkrk gA

d½ 17 [k½ 18 x½ 19 ?k½ 20

39. ,yMCyckj e fdru Lyhij ifr fdeh fcNku d fy, fLrijk d cho dh njh 65 leh g A

d½ 1500 [k½ 1540 x½ 1600 ?k½ 1660

40. xbC 40-1660 Lyhij ifr fdeh fcNku d fy; Lyhijk d chp njh fdru leh gkrh gA

d½ 50 [k½ 55 x½ 60 ?k½ 65

41. xb³ iyk ij QkLVfue mi;kx djr gA

d½ byfLVd [k½eVy x½ jy Qh ?k½ dkb ugh\

42. lkekU; {k=k e b vkj lh dk ikjfEHkd Vk ykB VfLVx 4 o'k ;k th,eVh ikl gku ij dh tkrh gA

d½ 100 [k½ 150 x½ 200 ?k½ 250

43. tx yxu oky {k=k e b vkj lh dk ikjfEHkd Vk ykM VfLVx o'k ;k 100 th,eVh ikl gku ij dh tkrh gA

d½ 1 [k½ 2 x½ 3 ?k½ 4

44- tx yxu oky {k=k e b-vkj-lh dk ychd"ku e ,d ckj fdLr tkrk g

d½ o'k e ,d ckj [k½ o'k e nk ckj x½ o'k e rhu ckj ?k½ pkj ckj

45- tx u yxu oky {k=k e b-vkj-lh dk ychd"ku e ,d ckj fdLr tkrk g

d½ o'k e ,d ckj [k½ nk o'k e ,d ckj x½ o'k e rhu ckj ?k½ pkj ckj

46- 12 e 1 Qu "klM Vu vkÅV e dy ,ikp rFkk ,DthV Lyhijk dh l[;k gA

d½ 11 [k½ 13 x½ 15 ?k½ 17

47- 12 e 1 Qu "klM Vu vkÅV e dy Lyhijk dh l[;k gA

d½ 84 [k½ 91 x½ 93 ?k½ 96

48- 8-5 gkQ e 1 Qu "klM Vu vkÅV e dy ,ikp rFkk ,DthV Lyhijk dh l[;k gA

d½ 61 [k½ 65 x½ 67 ?k½ 70

49- lM gi dh ,-,u-lh l dy yckb gkrh gA

d½ 60 eh [k½ 66 eh x½ 72 eh ?k½ 78 eh

50- ch-th Vd ij xkM jy rFkk jfux jy d chp vrjky gkrk gA

d½ 200+/-25 feeh [k½ 250+/-50 feeh x½ 200+/-25 feeh ?k½ 200+/-50 feeh

51- dp okVj Mu cuku dfy; dfVd l de Åph gkuh pkfg,A

d½ 3 eh [k½ 4 eh x½ 5 eh ?k½ 5-5 eh

52- Vd lfdV {k= e ykbuj bLreky fd; tkr gA

d½ uku blyVk [k½ vk;ju x½ eVfyd ?k½ btyjM

53- lh@Qk ckM yoy Økflx l nj yxk;k tkrk gA

d½ 500 eh [k½ 600 eh x½ 800 eh ?k½ dkb Hkh ugh

54- yoy Øflx ij pd Vy dh yEckb lMd dh pkMkb l fdruh vf/kd gkrh gA

d½ 1 eh [k½ 1-5 eh x½ 2-0 eh ?k½ 3-0 eh

55- ,y Mcy vkj dh vf/kdre yckb gkrh g

d½ 1000 eh [k½ 2000 eh x½ ,d Cykd tD”ku ?k½ dkb ugh

56- fdt vf/kdre xM ij ,y Mcy vkj Mkyldr g

d½ 50 e 1 [k½ 100 e 1 x½ 136 e 1 ?k½ 113 e 1

57- cdfyx d vuj{ku d nkjku U;ure yckb dk Dykstj Mkyk tkrk g

d½ 4-5 eh [k½ 5-0 eh x½ 6-0 eh ?k½ 6-5 eh

58- xgjh Nukb dk dke fuEu e l fdlh flek d vrxr ,y Mcy vkj@lh Mcy vkj d dkV fcuk fd;k tk ldrk g

d½ t_d+10^{0}c l td-20^{0}c [k½ t_d+10^{0}c l td-10^{0}c
x½ t_d+20^{0}c l td-20^{0}c ?k½ t_d+20^{0}c l td-10^{0}c

59- ,y Mcy vkj @lh Mcy vkj e Qyko o fldMu d fy, d iR;d flj ij Mkyh tku okyh ;Drh dk dgr g

d½ cQj jy [k½ ,l b t x½ ikbUV ,o Økflx ?k½ xM ykbu

60- ,y Mcy vkj lh Mcy vkj e fu;fer vulju d dk; rkieku d chp fd; tkr g

d½ t_d-20^{0}c l td+20^{0}c [k½ t_d-30^{0}c l td+10^{0}c
x½ t_d-30^{0}c l td+20^{0}c ?k½ t_d-20^{0}c l td+10^{0}c

61- ,y Mcy vkj lh Mcy vkj vulju d nkjku fLyijk d nk cn txg d chp fdru fLyij [kky tkr g

d½ 15 [k½ 20 x½ 25 ?k½ 30

62- ,y Mcy vkj e QkLVhx d vkdfLed ufofudj.k dk U;ure Lrj ftle fy¶Vhx “kkfey gkrk g

d½ tb [k½ fd eu x½ eV ?k½ Vd eu

63- 52 d th jy e fVMh ij ,lb t dk ep gkuk pkfg,

d½ 35 feeh [k½ 40 feeh x½ 50 feeh ?k½ 60 feeh

64- pkchnkj }kjk ,lbt dh vk;fyx rFkk fxflx fdru fnu e ,d ckj dh tkrh g

d½ 7 [k½ 10 x½ 12 ?k½ 15

65- ,y Mcy vkj e eV fdru fLyi l e ,d Lyhij cny ldrk gA

d½ 20 [k½ 25 x½ 30 ?k½ 4

66- ØkØhV Lyhij ;Dr ,yMCyvkj Vd e ,d ckj e mBkb fdru feeh l vf/kd ugh gkuk pkfg,A

d½ 25 feeh [k½ 35 feeh x½ 40 feeh ?k½ 50 feeh

67 ,yMCyvkj Vd e fdl idkj d Xy tkbV dk mi;kx fd;k tkrk g

d½ th 3 [k½ th 4 ,y x½ th 3 ,y ?k½ th 3 ,Q

68- tkbV rFkk Øklhx lfgr LV"ku ;kM tk yxkrkj tku oky ,yMCyvkj dk dgr g

d½ ,lbt [k½ ,lMCyvkj x½ lhMCyvkj ?k½ dkb ugh

69- jy cdt dh ejer ,yMCyvkj Vd e fdru Lrjk e dh tkrh g

d½ 4 [k½ 3 x½ 2 ?k½ 1

70- cdYM Vd dh egjer ,yMCyvkj Vd d fdru Lrjk e dh tkrh g

d½ 1 [k½ 2 x½ 3 ?k½ 4

71- xgjh Nukb d nkjku vif{kr vf/kdre jy rkieku l fdru uhp rkieku ij vLFkk;h fMLVflx dh tkuh pkfg,A

d½ 5^oC [k½ 10^oC x½ 15^oC ?k½ 20^oC

72- MhLVflx d nkjku jy dk iR;d dkul Lyhij ij mBk;k gA

d½ 10 o [k½ 12 o x½ 14 o ?k½ 15 o

73- 1540 fdeh ,o mld vf.kd Lyhij ?kuRo oky ØkfdV lyhij ;Dr ,yMCyvkj e jy rkieku fdru l vf.kd gku ij xeh dj iVkfyx "k: dh tkrh gA

d½td+10^oC [k½ td+20^oC x½ td+25^oC ?k½ lHkh

74- jy Vlj 0nkjk ,Mcyvkj dh fMLVflx dju d fy; tp dk eku fdll de gkuk pkfg,A

d½tm [k½ td x½ t_o ?k½ dkb ugh

75- vuj{k.k d ckn lnf<dj.k vof/k d nkjku tc jy rkieku td $+20^{O}$ l vf/kd gku ij fdld 0nkjk xeh dh iVkfyx“k: fd tk ldrh g

d½ fdeu [k½ eV x½ tb ?k½ dkb ugh

76- vLFkkb MhLVfltx dh o/krk fdru fnu gkrh gA

d½ 10 fnu [k½ 15 fnu x½ 30 fnu ?k½ 40 fnu

77- xi lo fdl eghu e fd;k tkuk pkfg,A

d½ ,fiy [k½ tykb x½ ukocj ?k½ Qcokjh

78- xi lo dh vof/k D;k gkrh gA

d½ 4 efgu e ,d ckj [k½ 6 efgu e ,d ckj x½ lky e ,d ckj
?k½ nk lky e ,d ckj

79- dk; vkjHk fnol dh l/;k rd i.k gk tku oky dk;k dk dgr gA

d½ “kkV MeV”ku dk; [k½ykx MeV”ku dk; x½:fVu eVu dk; ?k½ lHkh

80- tk dk; 24 ?kV l T;knk rd ,o fu/kkfjr xfr ifrc/k d lkFk pyr g mUg dgr gA

d½ “kkV MeV”ku dk; [k½ykx MeV”ku dk; x½ fu;fer j[kj[kko ?k½ lHkh

81- ftu dk;k dk dju e fdlh idkj xfr ifrc/k ;k gkFk flxuy fn[kku dh t:jr ugh gkrh gA

d½ “kkV MeV”ku dk; [k½ykxMeV”ku dk;
x½ fu;fer j[kj[kko ?k½ lHkh

82- xx chV d flV ij Vd ekud lD”ku dk lEiy fdruh yEckb e cukuk pkfg,A

d½ 100 eh [k½,d jy yckbx½ nk jy dh yckb ?k½ rhu jy dh yEckb

83- i.k Vd dh xgjh Nukb de l de fdru lky e ,d ckj dju pkfg,A

d½ 5 lky e ,d ckj [k½7 lky e ,d ckj
x½ 10 lky e ,d ckj ?k½ 15 lky e ,d ckj

84- Vd vuj{k.k d mnn”; l fdru Vu vkmV dk ,d fdfe d cjkcj ekuk tkrk gA

d½ 8 [k½10 x½ 15 ?k½ 18

85- dkfdV Lyhij Vuvkm V dk xt fdruk gkrk gA

d½ 1670 eh [k½1673 eh x½1676 eh ?k½ 1680 eh

86- chth ij 60 dth 90 ;Vh;l jy d fy; fdru th,eVh dh Lkhek ikj dju ij Vd fd uohuhdj.k d fy; fopkj fd;k tkrk g

d½ 125 [k½ 550 x½ 300 ?k½ 880

87- nk ckmMh LVku d chp vf/kdre fdruh njh gkuh pkfg,A

d½ 50 eh [k½100eh x½ 125eh ?k½ 150 eh

88- xh'e _r iVky eu d lkFk dku lk lk/ku ugh jguk pkfg,

d½ fMVkuVj [k½yky >Mh x½ gjh >Mh ?k½ MMk

89- Økl ycy fMQDV dk fpUg D;k gA

d½ lh 2 [k½,p ;k ih x½ vk +- ?k½

90-yt ifdx fMQDV dk fpUg D;k gA

d½ lh 2 [k½,p ;k ih x½ vk +- ?k½

91- xt fMQDV dk fpUg D;k gA

d½ lh 2 [k½,p ;k ih x½ vk +- ?k½

92- ,ykbueV e fMQDV dk fpUg D;k gA

d½ lh 2 [k½,p ;k ih x½ vk +- ?k½

3 xkykb

93- , :V ij ofVdy do dh U;ure f«kT;k fdruh gkuh pkfg,A

d½ 1500eh [k½ 2000eh x½3000 eh ?k½ 4000 eh

94- ch :V ij ofVdy do dh U;ure f«kT;k fdruh gkuh pkfg,A

d½ 1500eh [k½ 2000eh x½3000 eh ?k½ 4000 eh

95- do ij ifdx d nkjku dkulh cl jy ekuh tkrh gA

d½ buj [k½ vkmVj x½nkuk ?k½ dkb Hkh ugh

96- xkykb ij dkul jy dk lkbfVx jy yuk pkfg,A

d½ buj [k½ vkmVj x½nkuk ?k½ dkb Hkh ugh

97- chth Vd ij do dh vkf/kdre fMxh gkrh gA

d½ 4º [k½ 6º x½ 8º ?k½ 10º

98- chth , :V ij vf/kdre vuer dV gA

d½ 75 eh [k½ 100 feeh x½ 165 feeh ?k½ 185 feeh

99- chth , :V ij vf/kdre vuer QV MfQfy,UVh gA

d½ 60 eh [k½ 75 feeh x½ 90 feeh ?k½ 100 feeh

100- chth , :V ij vf/kdre vuer dV ,Dll gA

d½ 60 eh [k½ 75 feeh x½ 85 feeh ?k½ 100 feeh

101- do dk olkbu fdl dkM ij ekuk tkrk gA

d½ 6 eh [k½ 9eh x½ 10eh ?k½ 20eh

102- D;k gkrk tc dkb xkMh do ij lrfyr xfr l vf/kd xfr l pyrh gA

d½ dV [k½ dV MfQf”k,lh x½ dV ,Dll ?k½ dkb Hkh ugh

103- D;k gkrk tc dkb xkMh do ij lrfyr xfr l de xfr l pyrh gA

d½ dV [k½ dV MfQf”k,lh x½ dV ,Dll ?k½ dkb Hkh ugh

104- lyVQke ykbu ij do Vd d vnj dh vkj ,dLVk fDy;Vt el fdruk ?kVk;k tkrk gA

d½ 25 feeh [k½ 50 feeh x½ 51 feeh ?k½ 60 feeh

105- lyVQke ykbu ij do Vd d ckgj dh vkj ,dLVk fDy;Vl el fdruk ?kVk;k tkrk gA

d½ 25 feeh [k½ 50 feeh x½ 51 feeh ?k½ 60 feeh

106- do l fdl Hkkx e lijbfyo"ku ,d leku gkrk gA

d½ ldyj [k½ Vkfl"ku x½ ijHkkx ?k½ lHkh

107- Vkft"ku do d vkjHk e lijbfyo"ku fdruk gkrk gA A

d½ >hVk [k½ 20 x½ &10 ?k½ dkb Hkh ugh

108- chth do d fV,ykbeV d fy; ygk xfr 120 fdyk ifr ?kVk vf/kd gk vklr ldyjcV lkbu dh lhek D;k gkrh gA

d½ 10 feeh [k½ 15 feeh x½ 20 feeh ?k½ 25 feeh

109- chth do d fV,ykbeV d fy; tgk xfr 80 l 120 fdyk ifr ?kVk gk vklr ldyj cV lkbu dh chp D;k gkrh gA

d½ 10 feeh [k½ 15 feeh x½ 20 feeh ?k½ 25 feeh

110- chth do d fM,ykbeV d fy; ygk xfr 80 l 120 fdyk ifr ?kVk vf/kd gk vklr ldyj ij lkbu dh chp D;k gkrh gA

d½ 10 feeh [k½ 15 feeh x½ 20 feeh ?k½ 25 feeh

4 vku Vd ef”ku

111. ØkfUdV Lyhij d fy; L0;ftx i”kj fdru dth@leh^2 gkrk gA

d½ 50&60 [k½ 80&100 x½ 110&120 ?k½ 120&130

112. ØkfUdV Lyhij e fdruh mBkb d fy;bl”ku dh l[;k ,d gkrh gA

d½ 20 feeh [k½ 35feeh x½ 30feeh ?k½ 40 feeh

113. vk/kfud e”khuk e fdl ykbfux fLVe dk mi;kx fd;k tkrk gA

d½ flxy dkM [k½ McydkM x½ Fkh dkM ?k½ dkb Hkh ugh

114. Vd lVVhdj.k d fy; mi;kx e yk, tku okyh e”khu dk rduhdh uke gA

d½ Mhth,l [k½ MhVh,l x½ VhVh,e ?k½ lh,l,e

115. e”khu VEihx dk; cn djr le; fdruk mrkj gkuk pkfg,

d½ 500 e 1 [k½ 600 e 1 x½ 1000 e 1 ?k½ dkb ugh

116. lery txg oky Lyhijk d fupy ry l VfEix Vy dh xgjkb fdruh gkuh pkfg,

d½ 6&8 feeh [k½ 8&10 feeh x½ 9&10 feeh ?k½ 10&12 feeh

117. VfEix ,Dlil }kjk ,d txg l fdru Lyhij dh ifdx gkrh g

d½ 4 [k½ 3 x½ 2 ?k½ 1

118. ihvkjlh Lyhij jkM ij 30 feeh l vf/kd mBkb gku ij fdru bl”ku vko”;d g

d½ 2 [k½ 1 x½ 3 ?k½

119- ihvkjlh Lyhij ij VfEix dh vkofr gkrh g

d½ 50 theVh@1 lky [k½ 100 theVh@1 lky x½ 100 theVh@2 lky ?k½ 200 theVh@2 lky

120- VfEix Vy e vuer f?kllko ekur lkbt dk fdruk ifr"kr gkrk g

d½ 20 [k½ 25 x½ 15 ?k½ 10

121- ikbUV ,oe Økflx dh fxVVh dh Nukb d fy, fdl e"khu dk mi;kx fd;k tkrk g

d½ ,Qvkj,e 80 [k½ Vh 2 x½ vkj,e 76 ?k½ fl,l,e

122- "kkYMj ckLV Dyhvfjx d fy, dhl e"khu dk mi;kx djr g

d½ ,Qvkj,e 80 [k½ Vh 28 x½ vkj,e 76 ?k½ fl,l,e

123- xgjh Nukb d ckn Vfpx d lkFk MhVh,l d ,d jkmM d ckn VfQd fdru xfr ifrc/k d lkFk iu % pky fd;k tkrk gA

d½ 20 fdyk@ifr ?kVk [k½ 30 fdyk@ifr ?kVk x½ 40 fdyk@ifr ?kVk ?k½ 45 fdyk@ifr ?kVk

124- Vu vkmV d ufouhdj.k d fy; fdl e"khu dk i;kx fd;k tkrk g

d½ihD;vkj,l [k½,Qvkj,e x½Vh-28?k½ vkj,e 76

125- e"khu Vfix ge"kk fdl ekM djuk pkfg,A

d½fMtkbu ekM [k½ ukey ekM x½ nkuk ?k½ dkb ugh

126- ihD;vkj,l d fy, Lkg;d Vd oreku Vd l fdruk vf/kd Åpk ugh gkuk pkfg,A

d½50feeh l T;knk [k½ 40feeh l T;knk x½ 30feeh l T;knk ?k½ dkb ugh

5 VuvkÅV ,oe ;,l,QMh

127- lh,e,l Øklhx d ukd ij vf/kdre f?klko fdruk gkrk g A

d½6 feeh [k½7 feeh x½ 8 feeh ?k½ 10 feeh

128- 60 dth lh,e,l Øklhx d eki g, f?klko l fdruk feeh ?kV;k tkrk gA

d½ 1-5 [k½2 x½ 2-5 ?k½ 3

129- 52 dth lh,e,l Øklhx d eki g, f?klko l fdruk feeh ?kV;k tkrk gA

d½ 1-5 [k½2 x½ 2-5 ?k½ 3

130- lh,e,l Øklhx d tkM dk xiyl cuku d fy, jy gky dk 0;kl fdruk j[kuk vko";d gA

d½ 26 feeh [k½ 26-5 feeh x½ 27 feeh ?k½ 31 feeh

131- lh,e,l Øklhx d fjdkfMflfux d fy, fdl idkj dk byDVkM i;kx djr gA

d½ ,p 1 [k½ ,p 2 x½ ,p 3 ?k½ ,p 4

132- 12 e 1 Qu lQM VuvkÅV e dy vikp rFkk ,DlhV Lykijk fd l[;k fdruk gkrh A

d½ 11 [k½ 13 x½ 15 ?k½ 17

133- 12 e 1 Qu lQM VuvkÅV e Lykijk fd dy l[;k fdruk g A

d½ 84 [k½ 91 x½ 93 ?k½ 96

134- 8 1@2 e 1 Qu lQM VuvkÅV e Lykijk fd dy l[;k fdruk g A

d½ 61 [k½ 65 x½ 67 ?k½ 70

135- 12 e 1 Qu lQM VuvkÅV e fLop fd yckb fdruh gkrh g A

d½ 8800 feeh [k½ 9500 feeh x½ 10125 feeh ?k½ 11000 feeh

136- 8 1@2 e 1 Qu lQM VuvkÅV e fLop fd yckb fdruh gkrh g A

d½ 6000 feeh [k½ 6400 feeh x½ 6800 feeh ?k½ 7100 feeh

137- 12 e 1 Qu lQM VuvkÅV e dy yckb fdruh gkrh g A

d½ 37850 feeh [k½ 38700 feeh x½ 39900 feeh ?k½ 39975 feeh

138- 8 1@2 e 1 Qu lQM VuvkÅV e dy yckb fdruh gkrh g A

d½ 28798 feeh [k½ 28710 feeh x½ 27980 feeh ?k½ 27800 feeh

139- 8 1@2 e 1 Qu lQM VuvkÅV ij vf/kdre vuer xfr g A

d½ 8 fdeh@ifr?kVk [k½ 10 fdeh@ifr?kVk
x½ 15 fdeh@ifr?kVk ?k½ 20 fdeh@ifr?kVk

140- 8 1@2 e 1 flfeVhdy fLlyV VuvkÅV ij vf/kdre vuer xfr g A

d½ 10 fdeh@ifr?kVk [k½ 15 fdeh@ifr?kVk
x½ 20 fdeh@ifr?kVk ?k½ 30 fdeh@ifr?kVk

141- 12 e 1 Qu lQM VuvkÅV ij vf/kdre vuer xfr g A

d½ 10 fdeh@ifr?kVk [k½ 15 fdeh@ifr?kVk x½ 20 fdeh@ifr?kVk
?k½ 30 fdeh@ifr?kVk

142- 12 e 1 fl,e,l Økflx fd yckb fdruh gA

d½ 3600 feeh [k½ 4100feeh x½ 4350feeh ?k½ 4600 feeh

143- 8 1@2 e 1 fl,e,l Økflx fd yckb fdruh gA

d½ 3330 feeh [k½ 3400 feeh x½ 3850 eeh ?k½ 3900 feeh

144- fyM Hkkx e ojlkbu d fdl dkM ij ekik tkrk gA

d½ 3 eh [k½ 4-5 eh x½ 6 eh ?k½ 9 eh

145- fMQfDVo oYM dk Øk l fu"kku fdru yxkuk pkfg,A

d½ 1 yky [k½ 2 yky x½ 1 fiyk ?k½ 2 fiyk

146- vk;,evkj jy iRrk pyu d fdru fnuk d Hkhrj cny nuk pkfg,A

d½ 1 [k½ 2 x½ 3 ?k½ 4

147- ;,l,QfM dkM 421 e 4 dk vFk D;k gA

d½ jy [k½ oYMhx x½ tkbV ?k½ gky

148- , Vh oYMhx dk iFke vkof/kd ifj{k.k fdru o'k ckn djuk pkfg,A

d½ 1 o'k [k½ 1-5 o'k x½ 2 o'k ?k½ 3 o'k

6 vU; jyiFk lkexh

149- jy rkieku d vk/kkj ij Hkkjrh; jYo fdru >ku e ckVk x;k gA

d½ 4 [k½ 3 x½ 2 ?k½ 1

150- xVeu dk efMdy lrj fdruk gkuk pkfg, gA

d½ , 1 [k½ , 3 x½ ch 2 ?k½ lh

151- u; ,ldoh oyM dfy; gM ij ,d ehVj LVV ,t d flj ij vf/kdre ojVhdy ,ykbeUV Vkyjl fdruk gkrk gA

d½ $ 1-0 feeh@&0-0 feeh [k½ $ 0-5 feeh@&0-4 feeh x½ $ 1-0 feeh@&0-4 feeh ?k½ $ 1-0 feeh@&0-5 feeh

152- u; fQfuflx oyM d fy; gM ij 10 leh LVV ,t l vf/kdre ojVhdy ,ykbeUV Vkyjl fdruk gkrk gA

d½ $ 0-5 feeh@&0-0 feeh [k½ $ 0-4 feeh@&0-0 feeh x½ $ 0-4 feeh@&0-1 feeh ?k½ $ 0-5 feeh@&0-1 feeh

153- jy fd ik"ko lrg ij 1 ehVj fl/k iVV ij eki x; fQfuflx Vk;yjll fd flek D;k gkrh gA

d½ 0-4 feeh [k½ 0-3 feeh x½ 0-5 feeh ?k½ 0-6 feeh

154- jy fd ik"ko lrg ij 10 leh fl/k iV ij eki x; fQfuflx Vk;yjll fd flek D;k gkrh gA

d½ 0-2 feeh [k½ 0-3 feeh x½ 0-4 feeh ?k½ 0-5 feeh

155- ,vj iVky feDl 0nkjk ,Vh oYMhx d fy; fifgVhx fdruk gkrk gA

d½ 8&10 fefuV [k½ 10&12 fefuV

x½ 15&18 fefuV ?k½ 18&12 fefuV

156- oyM dh vfre f/klkb fdru ?kVk d Hkhrj ijk fd;k tkuk pkfg,A

d½ 12 [k½ 16 x½ 18 ?k½ 24

157- ofYMx d fy; jyk dk ojfVdy f?klko fdl flek l vf/kd ugh gkuk pkfg,A

d½ 6 feeh [k½ 8 feeh x½ 10 feeh ?k½ 12 feeh

158- ,yMCyvkj @ lhMCYkvkj e dk; dju dfy; l{kerk iek.k fd o/krk fdru o'k fd gkrh gA

d½ 1 lky [k½ 2 lky x½ 2-5 lky ?k½ 3 lky

159- chth ij il Vkyh djr le; fdru nj rd n";rk lkQ u gku ij cpko fd;k tkrk gA

d½ 30 ehVj [k½ 600 ehVj x½ 900 ehVj ?k½ 1200 ehVj

160- ih ekulu dk; dh vof/k fdru ekg gkrh gA

d½ 3 efgu [k½ 2 efgu x½ 4 efgu ?k½ 1 efgu

161- ekulu dk; dh vof/k fdru ekg gkrh gA

d½ 3 efgu [k½ 2 efgu x½ 4 efgu ?k½ 1 efgu

162- ikLV ekulu dk; dh vof/k fdru ekg gkrh gA

d½ 6 efgu [k½ 4 efgu x½ 3 efgu ?k½ 2 efgu

163- jyk fd yckb fd fn"kk e lpyudk D;k dgr gA

d½ ilkj [k½ fldMu x½fØi ?k½ ,lbt

164- fdruk fØi gku ij jyk dk lek;ktu vko";d gkrk gA

d½ 150 feeh [k½ 200 feeh x½100 feeh ?k½ 50 feeh

165- vubouul dk fdl cl ij ekik tkrk gA

d½ 1-5 eh [k½ 3 eh x½3-6 eh ?k½ 7-2 eh

166- chth ij il Vkyh djr le; n";rk lkQ u gku ij 1200 eh nj ij fdru fMVkuVj d lkFk gkFk flxy 0nkjk cpko fdlk tkrk g A

d½ 1 [k½ 2 x½3 ?k½ dkb ugh

167- iVky eu 0nkjk ,d fnu e pyh x;h njh fdru fdykehVj l vf/kd ugh gkuk pkfg,A

d½ 6 fdeh [k½ 10fdeh x½15 fdeh ?k½ 20 fdeh

168- ,d fg ykbu ij pyu oky nk ekVj Vkyh d chp U;ure njh fdruk gkuk pkfg,A

d½ 500 eh [k½ 400 eh x½ 200 eh ?k½ 100 eh

169- fdru l vf/kd rt xM ij jy Mkyh l dk; ugh djuk pkfg,A

d½ 200 e 1 [k½ 100 e 1 x½ 60 e 1 ?k½ 50 e 1

170- ekYM oVhx le; fdruk gkuk pkfg,A

d½ 2&3 feuV [k½ 3&4 feuV x½ 4&5 feuV ?k½ 4&6 feuV

171- oYMj d l{kerk iek.ki= fd o/krk fdruh gkrh gA

d½ 6 efgu [k½ 1 lky x½ 2 lky ?k½ 2-5 lky

172- chth ij fxVVh dh vf/kdre lkbt fdruh gkrh gA

d½ 75 feeh [k½ 65 feeh x½ 40 feeh ?k½ 20 feeh

173- 60dth jy e vuer Hkkj e deh fdruh gkrh gA

d½ 2 ifr"kr [k½ 4 ifr"kr x½ 6 ifr"kr ?k½ 10 ifr"kr

174- vfDlyfj Vd dk xt fdruk gkrk gA

d½ 1676 feeh [k½ 1680 feeh x½ 1750 feeh ?k½ 3400 feeh

175- il Vkyh 0nkjk Vd dk fujh{k.k fdl voLFkk e fd;k tkrk gA

d½ ykMM [k½ QykfVx x½ nkuk ?k½ dkb ugh

176- QV lyV@ fj;j ou 0nkjk Vd dk fujh{k.k fdl voLFkk e fd;k tkrk gA

d½ ykMM [k½ QykfVx x½ nkuk ?k½ dkb ugh

177- vk,e,l 2000 0nkjk dkul vkflylu eki tkr gA

d½ ojfVdy [k½ yVjy x½ nkuk ?k½ dkb ugh

178- 130fdeh ifr?kVk l vf/kd xfr oky :V ij Vd fjdkfMxdh vkofRr fdruh gkrh gA

d½ 15 fnu [k½ 1 efguk x½ 2 efguk ?k½ 3 efguk

179- 110fdeh ifr?kVk l vf/kd xfr oky :V ij Vd fjdkfMxdh vkofRr fdruh gkrh gA

d½ efgu e ,d ckj [k½ nk efgu e ,d ckj

x½ rhu efgu e ,d ckj ?k½ pkj efgu e ,d ckj

180- ofj'B vf/kuLFk tkp lferh e lnL;k dh U;ure l[;k fdruh gkrh gA

d½ 1 [k½ 2 x½ 3 ?k½ 4

181- chth il Vkyh ij vf/kdre fdru 0;Drh cB ldr gA

d½ 4 [k½ 6 x½ 8 ?k½ 10

182- il Vkyh d fy; l{ker iek.ki= fd o/krk fdruh gkrh gA

d½ 1 lky [k½ 2 lky x½ 2-5 lky ?k½ 3 lky

183- U;Vy tku dkul LV”ku ij gkr gA

d½ , Dykl [k½ ch Dykl x½ lh Dykl ?k½ lHkh

184- vkVkefVd flxuy lkekU; fLFkrh e D;k fn[kkr gA

d½ xhu [k½Mcy ,yk x½ ;yk ?k½ yky

185- cykok flxuy vku fLFkrh e D;k fn[kkr gA

d½ yky [k½fiyk x½ lQn ?k½ dN ugh

186- fonf|rhdr {k= e lQVh jt fdruh gkrh gA

d½ 1 ehVj [k½1-5ehVj x½ 2 ehVj ?k½ 3ehVj

187- Vhthvkb dk eku fdru l vf/kd gku ij Vd dk vuj{k.k vko”;d ugh g A

d½ 80 l vf/kd [k½85 l vf/kd x½ 90 l vf/kd ?k½ 100 vf/kd

188- dku l LFkku vk,e,l e [kjkc LFkku dgykr gA

d½ 0-3 th l vf/kd [k½0-2 th l vf/kd x½ 0-35 th l vf/kd ?k½ lHkh

189- ,ldoh oYMhx d fy; dy xi fdruk j[kk tkrk g

d½ 20 $ @ & 2 feeh [k½24 $ @ & 1 feeh

x½ 25 $ @ & 1 feeh ?k½ 25 $ @ & 2 feeh

190- fdru xi d ckn jy QDpj ij Dyktj Mkyuk pkfg,A

d½ 15feeh [k½20 feeh x½ 25 feeh ?k½ 30 feeh l vf/kd

191- QVkd VfLVx d le; dkb Hkh 0;Drh fdruh f=T;k d vnj ugh vkuk pkfg,A

d½ 20 eh [k½25eh x½ 45eh ?k½ 50eh

192- 60 dth jy dk ojfVdy f?klkc fdll vf/kd gku ij ufouhdj.k vko”;d gk tkrk gA

d½ 8 feeh [k½10feeh x½ 12feeh ?k½ 13feeh

193- 52 dth jy dk ojfVdy f?klkc fdll vf/kd gku ij ufouhdj.k vko”;d gk tkrk gA

d½ 6 feeh [k½8feeh x½ 10feeh ?k½ 13feeh

194- Vhvkjlh 0nkjk Vd ijkehVj fdruh yckb d Cykd e eki tkr gA

d½ 50 eh [k½100eh x½ 200eh ?k½ 300eh

195- dku lk vk,e,l ihd rjr vVuM djuk pkfg, gA

d½ 0-35 th l T;knk [k½0-33 th x½ 0-30 th ?k½ 0-35 th

196- Vd j[kj[kko dk rjhdk D;k jgxk tc Vhthvkb 80 l de gkA

d½ vjtV [k½lykuclM x½ uhMclM ?k½ dkb ugh

197- Vd j[kj[kko dk rjhdk D;k jgxk tc Vhthvkb 50 l de gkA

d½ vjtV [k½lykuclM x½ uhMclM ?k½ dkb ugh

198- Vd j[kj[kko dk rjhdk D;k jgxk tc Vhthvkb 36 l de gkA

d½ vjtV [k½lykuclM x½ uhMclM ?k½ dkb ugh

199- fdl “k/nh i= d 0nkjk pkch nkj dh M;Vh el pkch;k dh vk;fyx @ xhflx cn dj nh g A

d½ 141 [k½ 142 x½ 144 ?k½ 145

7 xfrifrc/k ,o dk; fufj{k.k yoy

200 jy cdt dj vikr ejEr d ckn igyh Vu dkulh xfr l pykb tkrh gA

d½ LVki ,o 10 fdeh ifr?kVk [k½10 fdeh ifr?kVk

x½ 20 fdeh ifr?kVk ?k½ 30 fdeh ifr?kVk

201 MhLVflx d fy; fdruk lrdrk vkn"k yxk;k pkfg;A

d½ 15 fdeh ifr?kVk [k½20 fdeh ifr?kVk

x½ 30 fdeh ifr?kVk ?k½ 45 fdeh ifr?kVk

202 ØkfdV fLyij ;Dr ,yMCyvkj Vd e vu"ku d ckn lV<hdj.k vof/k d nkjku jy rkieku t_d+20^0c l vf/kd gku ij chth e fdruk cfr ifrc/k yxkuk pkfg,A

d½ 20 fdeh ifr?kVk [k½ 30 fdeh ifr?kVk

x½ 45 fdeh ifr?kVk ?k½ 50fdeh ifr?kVk

203 euvy ifdx 0nkjk xgjh Nukb fd; x; Vd e lkekU; xfr dku l fnu cgky fd tkrh gA

d½ 10 o fnu [k½ 15 o fnu x½ 18 o fnu ?k½ 21 o fnu

204 e"khu ifdx 0nkjk xgjh Nukb fd, x, Vd e lkekU; xfr dkul fnu cgky dh tkrh g A

d½ 8 o fnu [k½10 o fnu x½ 12 o fnu ?k½ 15 o fnu

205 :ddj tkuoky lrdrk vkn"k d fy; lrdrk ldr Qke LFky l fdruh njh ij yxk;k tkrk gA

d½ 30 eh [k½600 eh x½ 800 eh ?k½ 1200 eh

206 de xfr l tku oky lrdrk vkn"k d fy; lrdrk ldr dk; LFky l fdruh njh ij ykxk;k tkrk gA

d½ 30 eh [k½600 eh x½ 800 eh ?k½ 1200 eh

207 chth ij cuj ¶yDl dk dk; LFky l fdru nj yxk;k tkrk gA

d½ 30 eh [k½200 eh x½ 400 eh ?k½ 600 eh

208 xfr ldrd dk; LFky l fdruh njh ij yxkuk pkfg,A

d½ 30 eh [k½200 eh x½ 400 eh ?k½ 600 eh

209 jy DyLVj dk vLFkkb 0;oLFkk dh rjg mi;kx djr le; fdruk xfr ifrc/k yxkuk pkfg,A

d½ 10 fdeh ifr?kVk [k½20 fdeh ifr?kVk

x½ 30 fdeh ifr?kVk ?k½ 45 fdeh ifr?kVk

210 vkikrdky e igyk QVkdk vojk/k l fdru nj yxk;k tkrk gA

d½ 30 eh [k½600 eh x½ 1200 eh ?k½ 1220 eh

211- jy DyLVj dk LFkkb voLFkk dh rjg mi;kx djr le; fdruk xfr ifrc/k yxkuk pkfg,-

d½ 10 fdeh ifr?kVk [k½ 20 fdeh ifr?kVk x½ 30 fdeh ifr?kVk ?k½ 45 fdeh ifr?kVk

212 chth Vd e tc MhLVflx d igy Øfed Lyhijk ij c/kdk dk nhyk fd;k tkrk g xfr ifrc/k D;k gkrk gA

d½ 10 fdeh ifr?kVk [k½15 fdeh ifr?kVk x½ 20 fdeh ifr?kVk ?k½ 30 fdeh ifr?kVk

213 cdy Vd e vkikr ejDer d fy; lijfotu dk U;ure Lrj g A

d½ tb [k½,l,lb x½eV ?k½ pkchnkj

214 ,yMCyvkj e e"khu 0nkjk Nukb fdld fujh{k.k e dh tk ldrh gA

d½ eV [k½pkchnkj x½ tb@,l,lb ?k½ lHkh

215 ,yM0yvkj e QkLVfue dh fuofudj.k ftue mBkb vko";d ugh g d fy; lijfotu dk U;ure lrg dk dku

d½ Vdeu [k½dheu x½eV ?k½ dkb

216 ,yM0yvkj e QkLVfue dhh fuofudj.k fyue mBkb vko";d g d fy; lijfotu dk U;ure Lrj dk dku

d½ eV [k½tb x½dheu ?k½ dkb

217 lkbV ij jy tkMk dh ofYMx d fy; lijfotu dk U;ure Lrj g

d½ tb [k½ihM0y,l x½,l,lb ?k½ dkb ugh

218 dkulk fuEure dk;iHkkjh ,dkdh LFkkuk ij “kkYmjk e fxVVh dh dk; dkijk dju dk dke n[krk gA

d½eV [k½ pkchnkj x½ tb ?k½ lHkh

219 dkulk fuEure dk;iHkkjh fMLVflx l lcf/kr lHkh dk; n[krk gA

d½ ,l,lb [k½tb x½,Mhb,p ?k½ eV

220 dkulk fuEure dk;iHkkjh cdfyx d nkjku bejtlh fViefVx dj ldrkgA

d½ ,l,lb [k½tb x½dheu ?k½ eV

221 dkulk fuEure dk;iHkkjh ,lbt dh pfdx iR;d i[kokM e ,dckj ry Mkyuk xhl yxkuk ,o fQfVx dk uohuhdj.k djrk gA

d½ iVkyeu [k½pkchnkj x½eV ?k½ tb

8 fujh{k.k vkofRr

222 ,l,lb@ihUOg 0nkjk yoy Økflx midj.kk dh tkp e ,d ckj dh tkrh gA

d½ ,d eghu [k½nk eghu x½rhu eghu ?k½ pkj efgu

223 lcl xe ,o lcl ln eghuk e tb@ ,l,lb ¼lDluy@ btkt½ 0nkjk ,lbt dk fufj{k.k fdru fnuk e ,d ckj fd;k tkrk gA

d½ 15 [k½30 x½45 ?k½ 60

224 lcl xe ,o lcl ln eghuk dk NkMdj tb@ ,l,lb ¼lDluy@ btkt½ 0nkjk ,lbt dk fufj{k.k fdru feghuk e ,d ckj fd;k tkrk gA

d½ 1 [k½1 1@2 x½2 1@2 ?k½ 2

225 ef"ku vuj{k.k d vrxr ØkØhV Lyhij Vd ij iHkkjh ,l,lb 0nkjk il Vkyh fufj{k.k dh vkofRr fdruh gkrh gA

d½ eghu e ,d ckj [k½ nk efgu e ,d ckj x½iR;d ikdokM ?k½ dkb ugh

226 ef"ku vuj{k.k d vrxr ØkØhV Lyhij Vd ij lDluy tb@ ,l,lb 0nkjk il Vkyh fufj{k.k dh vkofRr fdruh gkrh gA

d½ eghu e ,d ckj [k½nk efgu e ,d ckj x½iR;d ikdokM ?k½ dkb ugh

227 jyk dh yCkkb dh fn"kk e lpyu dk dgr gA

d½ ilkj [k½ fldMu x½Øhi ?k½ ,lbt

228- ,l,lb 0nkjk Hkeh flek fufj{k.k fd;k tkrk gA

d½ 3 eghu e 1 ckj [k½ 4 eghu e 1 ckj

x½ 6 eghu e 1 ckj ?k½ lky e 1 ckj

229 bpkt ,l,lb 0nkjk xx Vy tkp dh vkofRr fdruh gkrh gA

d½ eghu e ,d ckj [k½15fnu

x½ 2 efgu e ,d ckj ?k½ rhu efgu e ,d ckj

230 lDluy tb@ ,l,lb ¼ih-o½0nkjk fdru le; e viu ij lDlu dk flLVeVhd rfjd l iny fufj{k.k djuk pkfg,A

d½ 3 eghu [k½6 efgu x½ 9 efgu ?k½ 12 efgu

9 “kM;y vkQ Mkbe”ku

231Qke”ku dh mijh lrg ij Økl Lyki fdruk gkrk gA

d½ 30 e 1 [k½36 e 1 x½ 40 e 1 ?k½ 20 e 1

232 chth flxy ykbu ij Hkjko d fy, ih,lh fLyij d lkFk Qke”ku dh pkMkb fdruh gkrh gA

d½ 6250 feeh [k½6550 feeh x½ 6850 feeh ?k½ 7000feeh

233 u; fuek.k d fy; chth Vd d lVj l lVj dh njh fdruh gkrh gA

d½ 4625 feeh [k½4800 feeh x½ 5000 feeh ?k½ 5300feeh

234 chth Mcy ykbu ij Hkjko d fy; ih,lh fLyij d lkFk Qke”ku dh pkMkb fdruh gkrh gA

d½ 12000 feeh [k½12150 feeh x½ 12155 feeh ?k½ 12200feeh

235 chth flxy ykbu ij dVhx e ih,lh fLyij d lkFk Qke”ku dh pkMkb fdruh gkrh gA

d½ 6000 feeh [k½6250 feeh x½ 6400 feeh ?k½ 6600 feeh

236 chth Mcy ykbu ij dVhx e ih,lh fLyij d lkFk Qke”ku dh pkMkb fdruh gkrh gA

d½ 10500 feeh [k½11300feeh x½ 11550 feeh ?k½ 12000 feeh

237 chth Mcy ykbu ij Hkjko e ih,lh fLyij d lkFk Qke”ku dh pkMkb u; dk;k e fdruh gkrh gA

d½ 12155 feeh [k½12550feeh x½ 13000 feeh ?k½ 13160 feeh

238 chth Mcy ykbu ij dVhx e ih,lh fLyij d lkFk Qke”ku dh pkMkb u; dk;k e fdruh gkrh gA

d½ 12155 feeh [k½ 12550feeh x½ 13000 feeh ?k½ 13160 feeh

239 chth flxy ykbu ij Hkjko e ih,lh fLyij d lkFk Qke”ku dh pkMkb u; dk;k e fdruh gkrh gA

d½ 6850 feeh [k½ 7150feeh x½ 7850 feeh ?k½ 8000 feeh

240 chth flxy ykbu ij dfVxe ih,lh fLyij d lkFk Qke”ku dh pkMkb u; dk;k e fdruh gkrh gA

d½ 6850 feeh [k½ 7150feeh x½ 7850 feeh ?k½ 8000 feeh

241 Hkjko okyh Qke”ku e lkbM Lyki l fdruk vf/kd rt gkuk pkfg, A

d½ 1¼1 [k½ 1-5¼1 x½ 2¼1 ?k½ 2-5¼1

242 lkbM Mu dk ry ll l fdru leh fup gkuk pkfg,A

d½ 20 [k½ 30 x½ 35 ?k½ 40

243 1673 feeh xt d fy; vf/kdre pd jy vrjky fdruk gkuk pkfg,A

d½ 44 feeh [k½ 45 feeh x½ 47 feeh ?k½ 48 feeh

244 1673 feeh xt d fy; U;ure pd jy vrjky fdruk gkuk pkfg,A

d½ 38 feeh [k½ 40 feeh x½ 41 feeh ?k½ 43 feeh

245 12 e 1 Qu “kQM Vu vkÅV dk ghy Mkbot l fdruk gkrk gA

d½ 150 feeh [k½ 165 feeh x½ 175 feeh ?k½ 183 feeh

246 fudV d Vd lVj ykbu l xV ikLV dh U;ure njh fdruh gkrh gA

d½ 3 ehVj [k½ 4 ehVj x½ 4-5 ehVj ?k½ 6 ehVj

247 lkekU; fLFkrh e gkbV xt dk xV ikLV l fdruk nj yxkr gA

d½ 4 ehVj [k½ 5 ehVj x½ 6 ehVj ?k½ 8 ehVj

248 fudVre Vd lVj ykbu rFkk jkM eVfyx l M;Vh gV dh U;ure njh fdruh gkrh gA

d½ 5 ehVj [k½ 6 ehVj x½ 8 ehVj ?k½ 10 ehVj

249 yoy Økflx ij cuj Qyx pd jy d flj l fdru nj yxk;k tkrk g

d½ 2 ehVj [k½ 3 ehVj x½ 4 ehVj ?k½ 5 ehVj

250 Li”ky Dykl yoy Økflx dk lLkl fdru lky e ,d ckj fd tkrh gA

d½ 1-5 lky [k½ 2 lky x½ 2-5 lky ?k½ 3 lky

251 lyVQke ykbuk ij fMLVl ihl fdru vrjky ij yxk; tkr gA

d½ 30eh [k½ 20 eh x½ 15 eh ?k½ 10 eh

252 tgk nk Vd lVj d chp dh njh l de gkrh g ogk Qkmfyx ekx yxk;k tkrk gA

d½ 4-265 ehl-@l [k½4-60 ehl-@l x½ 4-625 ehl-@l ?k½4-8 ehl-@l

253 gkbyoy iltj lyVQke dh jy yoy l U;ure Åpkb fdruh gkrh gA

d½ 700 feeh [k½ 740 feeh x½ 760 feeh ?k½ 780 feeh

254 gkbyoy iltj lyVQke dh jy yoy l vf/kdre Åpkb fdruh gkrh gA

d½ 760 feeh [k½ 800 feeh x½ 810 feeh ?k½ 840 feeh

255 yoy Økflx ij pd jy dk U;ure xi fdruk gkrk gA

d½ 45 feeh [k½ 46 feeh x½ 48 feeh ?k½ 51 feeh

256 yoy Økflx ij pd jy dk vf/kdre xi fdruk gkrk gA

d½ 48 feeh [k½ 51 feeh x½ 57 feeh ?k½ 59 feeh

257 xMj iy ij u; dk; d fy; nk yxkrkj fLyijk d chp Li'V njh l fdruh vf/kd gkuh pkfg,A

d½ 250 feeh [k½ 300 feeh x½ 350 feeh ?k½ 450 feeh

258 Vd d lVj l fdlh lyVQke fnokj dh vf/kdre {kfrt njh fdruh gkrh gA

d½ 1870 feeh [k½ 1890 feeh x½ 1905 feeh ?k½ 1910 feeh

259 Vd d lVj l fdlh lyVQke fnokj dh U;ure {kfrt njh fdruh gkrh gA

d½ 1675 feeh [k½ 1680 feeh x½ 1690 feeh ?k½ 1695 feeh

260 ,l vk Mh d vulkj chth ij do dh U;ure f=T;k fdruh gkrh gA

d½ 175 eh [k½ 185 eh x½ 210 eh ?k½ 250 eh

261 Vd lVj l iltj lyVQke dkfix Ql fd U;ure {kfrt njh fdruh gkrh gA

d½ 1650 feeh [k½ 1660 feeh x½ 1670 feeh ?k½ 1680feeh

262 Vd lVj l iltj lyVQke dkfix Ql fd vf/kdre {kfrt njh fdruh gkrh gA

d½ 1680 feeh [k½ 1670 feeh x½ 1660 feeh ?k½ 1650 feeh

263 ijku dk; d fy, LV"ku ;kM e vf/kdre xM fdruk gkrk gA

d½200 e 1 [k½ 400 e 1 x½ 600 e 1 ?k½ 1000 e 1

264 u; dk; d fy, LV”ku ;kM e vf/kdre xM fdruk gkrk gA

d½1200 e 1 [k½ 1000 e 1 x½ 400 e 1 ?k½ 200 e 1

265 cht Vuvk ÅV ij fLop dk U;ure Fkk fdruk gkrk gA

d½95 feeh [k½ 100 feeh x½ 115 feeh ?k½ 120 feeh

266 cht fFkdoc fLop ij U;ure Fkk fdruk gkrk gA

d½ 115 feeh [k½ 160 feeh x½ 165 feeh ?k½ 95 feeh

10 bLVfCy"keV ,o jkt Hkk'kk

267 efgyk jy depkjh dk fdru fnu dk ekrRo vodk"k fn;k tkrk gA

d½90 fnu [k½ 120 fnu x½ 160 fnu ?k½ 180 fnu

268 i:'k jy depkjh dk fdru fnu dk firRo vodk"k fn;k tkrk gA

d½15 fnu [k½ 20 fnu x½ 25 fnu ?k½ 30 fnu

269 vkIr oru vodk"k fdru fnu rd tek fd;k rk ldrk gA

d½200 fnu [k½ 240 fnu x½ 300 fnu ?k½ 360 fnu

270 vkIr v/k oru vodk"k fdru fnu rd tek fd;k rk ldrk gA

d½150 fnu [k½ 250 fnu x½ 560 fnu ?k½ dkb lhek ugh

271 pkbYM dvj fyo fdl fn;k tkrk gA

d½i:'k jYo depkjh [k½ efgyk jYo depkjh x½ nkuk ?k½ dkb ugh

272 fdruh le; flek rd dePkkjh 0nkjk vihyV vFkkjfV dk vihy dh tk ldrh gA

d½10 fnu [k½ 20 fnu x½ 30 fnu ?k½ 45 fnu

273 depkjh dk ,l,Q1 feyu dk eryc g A

d½lLi"ku [k½ MheM lLi"ku x½ fjokdy ?k½ dkb ugh

274 depkjh dk ,l,Q2 feyu dk eryc g A

d½lLi"ku [k½ MheM lLi"ku x½ fjokdy ?k½ dkb ugh

275 depkjh dk ,l,Q4 feyu dk eryc g A

d½lLi"ku [k½ MheM lLi"ku x½ fjokdy ?k½ dkb ugh

276 ,l,Q 11 e depkjh dk D;k ltk fey ldrh gA

d½NkVh iukyVh [k½ cMh iukyVh x½ nkuk ?k½ dkb ugh

277 ,l,Q 5 e depkjh dk D;k ltk fey ldrh gA

d½NkVh iukyVh [k½ cMh iukyVh x½ nkuk ?k½ dkb ugh

278 foHkkxh; tkp d fy, lferh cuku dk vkn"k fdl d 0nkjk fn;k tkrk gA

d½,Mhvkj,e [k½ Mhvkj,e x½ ,th,e ?k½ lHkh

279 ofj'B vf/kuLr tkp d fy, lferh cuku dk vkn"k fdl d 0nkjk fn;k tkrk gA

d½lhMh,lvk [k½ lhMhvk,e x½ lhMhb,u ?k½ lHkh

280 Mh,vkj tkp cpko ii= tek dju dh le; flek fdru nhu fu/kkfjr gA

d½7 fnu [k½ 10fnu x½ 15 fnu ?k½ 30 fnu

281 vf/kuLr dk tkjh fd; tku oky iFke J.kh lfo/kk ikl dk D;k jx gkrk gA

d½gjk [k½ lQn x½ ihyk ?k½ xykch

282 vf/kdkjh dk tkjh fd; tku oky iFke J.kh , lfo/kk ikl dk D;k jx gkrk gA

d½gjk [k½ lQn x½ ihyk ?k½ xykch

283 ,d le; e vf/kdre fdru fnu dk vklr oru vodk"k fn;k tk ldrk gA

d½90 fnu [k½ 120 fnu x½ 180 fnu ?k½ 160 fnu

284 >kuy lrj ij LFkkb okrk r= d pvjeu dku gkr gA

d½th,e [k½ ,th,e x½ fMlVh th,e ?k½ dkb ugh

285 eMy Lrj ij LFkkb okrk r= dh fefVx fdru ekg e ,d ckj gkrh gA

d½2 efgu [k½ 3 efgu x½ 4 efgu ?k½ 6 efgu

286 U;ure oru vf/kfu;e d vulkj ,d fnu e depkjh d dk; dy ?kV fdru gkuk pkfg,A

d½6 ?kV [k½ 8 ?kV x½ 9 ?kV ?k½ 12 ?kV

287 dk; d ?kV jxy"ku d vulkj tb@,l,lb ¼iho½d :i e dk; dju oky jy depkjh fdl ox e j[k tkr gA

d½,DlDyflo [k½ bVjfeVVM x½ duVhuvl ?k½ dkb ugh

288 vf/kuLr dk fn; tku oky iFke J.kh , lfo/kk ikl dk D;k jx gkrk gA

d½lQn [k½ gjk x½ ihyk ?k½ xykch

289 jkt Hkk'kk vf/kfu;e dc cuk A

d½1949 [k½ 1960 x½ 1962 ?k½ 1963

290 jkt Hkk'kk vf/kfu;e e fdruh /kkjk; g A

d½5 [k½ 7 x½ 9 ?k½ 11

291 Hkkjrh; lfo/kku dh 8oh vuqfp e fdruh Hkk'kkdk jkt Hkk'kk d :Ik e ekU;rk fn xb gA

d½22 [k½ 16 x½ 14 ?k½ 10

292 dn ljdkju jkt Hkk'kk fu;e dc cuk;A

d½1963 [k½ 1965 x½ 1973 ?k½ 1976

293 jkt Hkk'kk fu;e d vrxr Hkkjr dk fdru Hkkxk e ckVk x;k gA

d½3 [k½ 2 x½ 1 ?k½ dkb ugh

294 iR;d o'k fgnh fnol dc euk;k tkrk gA

d½14 ekp [k½ 14 e x½ 14 flrcj ?k½ 14 uocj

295 fgnh llnh; jkt Hkk'kk lferh e fdru lnL; gkr gA

d½10 [k½ 20 x½ 30 ?k½ 40

11 VMj ,o vdkmVl

296 LVkd dk lR;kiu fdld 0nkjk fd;k tkrk gA

d½bpkt ,l,lb [k½ LVkd ofjQk;j x½ ,Mh,u ?k½ dkbZ ugh

297 biLVV LVkl d lR;kiu dh vkoRrh fdruh gkrh gA

d½4 lky [k½ 3 lky x½ 2 lky ?k½ lky e ,d ckj

298 LVkd ofjQk;j 0nkjk LVkd flV fdruh dkih e cukbZ tkrh gA

d½3 [k½ 4 x½ 5 ?k½ 7

299 LVkl dk e[;r% fdruh oxk e ckVk x;k gA

d½1 [k½ 2 x½ 3 ?k½ 4

300 MM LVkd dk LVkd gkYMj 0nkjk lR;kiu dh vkoRrh fdruh gkrh gA

d½1 o'k [k½ 2 o'k x½ 3 o'k ?k½ 6 efgu

301 ,e,,l LVkl d LVkd lR;kiu dh vkoRrh fdruh gkrh gA

d½1 o'k [k½ 2 o'k x½ 3 o'k ?k½ 6 efgu

302 MM LVkd jftLVj e fdru ifr"kr ifo'Bh;k ,Mhb,u 0nkjk ifro'k tkph tkrh g A

d½5 ifr"kr [k½ 10 ifr"kr x½ 15 ifr"kr ?k½ 20 ifr"kr

303 VMj vkiuhx d ckn ikIr gkuoky VMj dk D;k dgr g A

d½ yV [k½ Mhy x½ vkiu ?k½ Xykcy

304 25 djkM eY; d dk; d fy, c;kuk jk"kh VMj eY; dk fdru ifr"kr gkuk pkfg,A

d½1 ifr"kr [k½ 2 ifr"kr x½ 3 ifr"kr ?k½ 5 ifr"kr

305 iR;d dk; d fy, tekur jk"kh VMj eY; dk fdruk ifr"kr fy;k tkuk pkfg,A

d½5 ifr"kr [k½ 7 ifr"kr x½ 10 ifr"kr ?k½ dkbZ ugh

306 tekur jk"kh de l de fdl Lrj d vf/kdjh 0nkjk gh okil fd tk ldrh gA

d½,p, xM [k½ t,xM x½ xi ch xM ?k½ lHkh

307 fdlh dk; d fy, ijQke"k xkjVh Bdk eY; d fdru ifr"kr dh nj l tek tk,xkA

d½4 ifr"kr [k½ 6 ifr"kr x½ 5 ifr"kr ?k½ 10 ifr"kr

308 U;ure fdru fly cn dkV"ku vkef=r djuk pkfg,A

d½1 [k½ 2 x½ 3 ?k½ 4

309 i"kk"kfud vueknu gr dku lk ,fLVeV cuk;k tkrk gA

d½,cLVDV [k½ fMVyM x½ dkihfy"ku ?k½ dkbZ ugh

310 VfDudy etjh ikIr dju gr dku lk ,fLVeV cuk;k tkrk gA

d½ ,DI VDV [k½ fMVyM x½ dkihfy"ku ?k½ dkbZ ugh

311 fuek.k i.k gku ij dkulk ,fLVeV cuk;k tkrk gA

d½ ,DI VDV [k½ fMVyM x½ dkihfy"ku ?k½ dkbZ ugh

312 dku l lDI"ku d vrxr vkikdky e Hkfe vf/kxg.k fd;k tkrk gA

d½ 11 [k½ 14 x½ 17 ?k½ 5

Answer Sheet

Que. no	Answer	Que. no	Answer	Que.no	Answer
1	c) 156 mm	26	a)0.50m	51	b)4m
2	b)172 mm	27	b 2.0m	52	a)Insulated
3	a)150 mm	28	c)3 Rail panel	53	b)6oom
4	d)16.5	29	a)4	54	c)2.0m
5	c)11m	30	a10m	55	c)One block Section
6	a)22.5	31	d)1000	56	b) lin 100
7	b)18	32	a)Before monsoon	57	d)6.5m
8	d)800 GMT	33	a)Minor	58	a)t_d+10^{o}ct_o t_d-20^{o}c
9	c)550 GMT	34	b)Major	59	b)SEJ
10	b) 525 GMT	35	c) viaduct	60	b) t_d-30^{o}ct_o t_d+10^{o}c
11	b) 350 GMT	36	c) 11 m	61	d) 30
12	c) 25%	37	d) 22.5	62	c) Mate
13	b)BHN	38	b)18	63	b)40mm
14	b) 220	39	b) 1540	64	d) 15
15	a)260	40	C)60	65	c)30
16	C) rail free	41	c)rail free	66	a)50mm
17	b) 200 mm	42	c) 200	67	c) G3L
18	C) 250 mm	43	b) 2	68	c) CWR
19	C) 250mm	44	a)Once in a year	69	a)4
20	d) 40% to 60%	45	b) once in 2 year	70	c)3
21	c) 5%	46	b)13	71	b)10^{o}c
22	d)98%	47	d)96	72	d)15th
23	b)95%	48	c)67	73	c)t_d + 25^{o}c
24	a)100x 70x 10 cms	49	d) 78m	74	c) t_o
25	b) 1.0m	50	b) 250 +- 50 mm	75	b) mate

Question no	Answer	Que. no	Answer	Que.no	

76	**b) 15 days**	**114**	**a)DTS**	**152**	**b)+0.4 mm/ -0.00mm**
77	**d) February**	**115**	**c) lin 1000**	**153**	**c)0.5mm**
78	**c) once in a year**	**116**	**d)10-12mm**	**154**	**b)0.3mm**
79	**a)Short duration**	**117**	**b)3**	**155**	**b)10-12mm**
80	**b)Long duration**	**118**	**a)2**	**156**	**d)24**
81	**c)Routine maintenance**	**119**	**c) 100 GMT or 2 year**	**157**	**a)6mm**
82	**a) 3 rail length**	**120**	**a)20%**	**158**	**d)3 year**
83	**c) Once in 10 year**	**121**	**c)RM 76**	**159**	**d)1200 m**
84	**b)10**	**122**	**a)FRM 80**	**160**	**b)2 months**
85	**b)1673mm**	**123**	**c)40kmph**	**161**	**c)4months**
86	**d)880**	**124**	**c)T-28**	**162**	**a)6 months**
87	**b)100m**	**125**	a) Design mode	**163**	**c)creep**
88	**c)Green flag**	**126**	**a)>50mm**	**164**	**a)150mm**
89	**d)C-2**	**127**	**d)10mm**	**165**	**c)3.60mm**
90	**b)Hor P**	**128**	**c)2.5**	**166**	**c)3**
91	**c) O+-**	**129**	**b)2.0**	**167**	**d)20 km**
92	**d)** 	**130**	**b) 26.5mm**	**168**	**a)500m**
93	**d)4000m**	**131**	**c)H3**	**169**	**a)lin 200**
94	**c)3000m**	**132**	**b)13**	**170**	**d) 4-6 minute**
95	**a) inner**	**133**	**d)96**	**171**	**c)2 year**
96	**b)outer**	**134**	**c)67**	**172**	**b)65mm**
97	**d) 10^{o}**	**135**	**c)10125mm**	**173**	**b)6%**
98	**c)165mm**	**136**	**b)6400mm**	**174**	**d)3400mm**
99	**d)100mm**	**137**	**d)39975mm**	**175**	**b) Floating**
100	**b)75mm**	**138**	**a)28789mm**	**176**	**a)loaded**
101	**d)20m**	**139**	**c)15 kmph**	**177**	**c)both**
102	**b)caut deficiency**	**140**	**d)30kmph**	**178**	**c)2 months**
103	**c)cant excess**	**141**	**d)30kmph**	**179**	**a)once in a month**
104	**c)51mm**	**142**	**c)4350mm**	**180**	**c)3**
105	**a)25mm**	**143**	**a)3330mm**	**181**	**d)10**
106	**a)circular**	**144**	**c)6.0m**	**182**	**a)1year**
107	**a)zero**	**145**	**b)Two red**	**183**	**a)A class**
108	**a)10mm**	**146**	**c)three**	**184**	**a)green**
109	**b)15mm**	**147**	**b)welding**	**185**	**d)No sight**
110	**d)40mm**	**148**	**a)1 year**	**186**	**c)2.0m**
111	**c)110-120**	**149**	**a)4**	**187**	**a)>80**
112	**b)30mm**	**150**	**b)A III**	**188**	**a)>0.30g**
113	**a)**Single cord	**151**	**a)**+1.00 mm/ -0.00mm	**189**	**c)25+-1mm**

Answer Sheet

Que no	Answer	Que.no	Answer	Que.no	Answer
190	d)>30mm	230	b)6month	270	d)No restriction
191	d)50m	231	c)1 in 40	271	b) Female rly employee
192	d)13mm	232	c)6850mm	272	d)45 days
193	b)8mm	233	d)5300mm	273	a)suspension
194	c)2oom	234	c)12155mm	274	b)Deemed suspension
195	a)>0.35g	235	c)6250mm	275	c)revokal
196	c)need base concept	236	c)11550mm	276	a)minor penalty
197	b) planned based	237	d)13160mm	277	b) major penalty
198	a)urgent	238	d)13160mm	278	b)DRM
199	b)142	239	c)7850mm	279	a)Sr.DSO
200	a)stop with 10 kmph	240	c)78500mm	280	b)10days
201	c)30	241	c)2:1	281	a)Green
202	d)50kmph	242	b)30	282	b)white
203	d)21st day	243	c)45mm	283	c)180 days
204	b)10th day	244	c)41mm	284	b)AGM
205	d)1200m	245	a)175mm	285	a)2months
206	c)800m	246	d)3m	286	c)9 hours
207	d)600m	247	b)8m	287	a)exclusive
208	b)30m	248	b)6m	288	c)yellow
209	c)20kmph	249	d)5m	289	d)1963
210	b)600m	250	c)2 ^{½} year	290	c)9
211	a)stop with 10 kmph	251	a)30m	291	a)22
212	d)30kmph	252	a)4.265m c/c	292	d)1976
213	b)SSE	253	c)760mm	293	a)3
214	c) JE/SSE	254	d)840mm	294	c)14th September
215	b) key man	255	d)51mm	295	c)30
216	a)mate	256	c)57mm	296	b)stock verifier
217	a)JE	257	d)450mm	297	d)once in a year
218	a)mate	258	c)1905m	298	b)4
219	a)SSE	259	a)1675mm	299	c)3
220	a)SSE	260	a)175m	300	b)2 year
221	b)key man	261	c)1670mm	301	a)1 year
222	a)in a month	262	a)1680mm	302	d)20%
223	a)15	263	b) 1 in 400	303	a)late
224	d)2	264	a)1in 1200	304	a)1%
225	a) a month	265	b)160mm	305	a)5%
226	c)fortnight	266	c)115mm	306	b)JA Grade

227	c)CREEP	267	d)180 days	307	c)5%
228	d) once in a year	268	a)15	308	c)3
229	c)once in a month	269	c)300	309	a) Abstract
				310	b) detailed
				311	c)Completion
				312	b)14

** mRrj "khV **

lk"u l[;k	mRrj	i"u l[;k	mRrj	lk"u l[;k	mRrj
1	x½ 156 feeh	26	d½ 0-50 eh	51	[k½ 4 eh
2	[k½ 172 feeh	27	[k½ 2-0 eh	52	?k½blyVM
3	d½ 150 feeh	28	x½ 3 jy iuy	53	[k½ 600 eh
4	?k½ 16-5 feeh	29	d½ 4	54	x½ 2-0 eh
5	x½ 11 feeh	30	d½ 10eh	55	x½ ,d CCykd lD"ku
6	?k½ 22-5	31	?k½ 1000	56	[k½ 1 e 100
7	[k½ 18	32	d½ ekulu d igy	57	6-5 eh
8	?k½ 800 th,eVh	33	d½ ekbuj	58	d½ td+10^{O}C l td-20^{O}C
9	x½ 550 th,eVh	34	[k½ etj	59	[k½ ,lbt
10	[k½ 525 th,eVh	35	x½ ok;MDV	60	[k½ td-30^{O}C l td+10^{O}C
11	[k½ 350 th,eVh	36	x½ 11 eh	61	?k½ 30
12	x½ 25 ifr"kr	37	?k½ 22-5	62	x½ eV
13	[k½ ch,p,u	38	[k½ 18	63	[k½ 40 feeh
14	[k½ 220	39	[k½ 1540	64	?k½ 15
15	d½ 260	40	x½ 60	65	x½ 30
16	x½ jy Qh	41	x½ jy Qh	66	d½ 50 feeh

17	[k½ 200 feeh	42	x½ 200	67	x½ th 3 ,y
18	x½ 250 feeh	43	[k½ 2	68	x½ lhMCyvkj
19	x½ 250 feeh	44	d½ lky e 1 ckj	69	d½4
20	?k½ 40 ifr"kr l 60 ifr"kr	45	[k½ 2 lky e 1 ckj	70	x½ 3
21	x½ 5 ifr"kr	46	[k½ 13	71	x½ $10^{o}C$
22	?k½ 98 ifr"kr	47	?k½ 96	72	?k½ 15 ok
23	[k½ 95 ifr"kr	48	x½ 67	73	x½ td+$25^{O}C$
24	d½ 100X70X10 leh	49	?k½ 78 eh	74	[k½ t_o
25	[k½ 1-0 eh	50	d½ 250 ± 50 feeh	75	[k½ eV

4

** mRrj "khV **

lk"u l[;k	mRrj	i"u l[;k	mRrj	lk"u l[;k	mRrj
76	x½ 15 fnu	101	?k½ 20 eh	126	d½ 50 feeh l T;knk
77	?k½Qcvjh	102	[k½ dV MQhf"k;yh	127	?k½ 10 feeh
78	x½ lky e 1 ckj	103	x½ dV ,Dll	128	x½ 2-5
79	d½ "kkV M;V"ku	104	x½ 51 feeh	129	[k½ 2-0
80	[k½ ykx M;V"ku	105	d½ 25 feeh	130	[k½ 26-5 feeh
81	x½ fu;fer j[kj[kko	106	d½ ldyj	131	x½ ,p 3
82	?k½ 3 jy yckb	107	d½ f>jk	132	[k½ 13
83	x½ 10 o'k e ,d ckj	108	d½ 10 feeh	133	?k½ 96
84	[k½ 10	109	[k½ 15 feeh	134	x½ 67
85	[k½1673 feeh	110	?k½ 40 feeh	135	x½ 10125feeh
86	?k½ 880	111	x½ 110&120	136	[k½ 6400 feeh

87	[k½ 100 eh	112	x½ 30 feeh	137	?k½ 39975 feeh
88	x½ gjh >Mh	113	d½ flxy dkM	138	d½ 28789 feeh
89	d½ lh&2	114	d½ Mh th, l	139	x½ 15 fdeh@?kVk
90	[k½, p ;k ih	115	x½ 1 e 1000	140	?k½ 30 fdeh@?kVk
91	x½ o ✚	116	?k½ 10&12feeh	141	?k½ 30 fdeh @?kVk
92	?k½	117	[k½ 3	142	x½ 4350 feeh
93	?k½ 4000 eh	118	d½ 2	143	d½ 3330 feeh
94	x½ 3000 eh	119	x½ 100 th, eVh ;k 2 o'k	144	x½ 6-0 eh
95	d½ buj	120	d½ 20 ifr"kr	145	[k½ nk yky
96	[k½ vkmVj	121	x½ vkj, e 76	146	x½ rhu
97	?k½10^{0} feeh	122	d½ ,Qvkj, e 80	147	[k½ ofYMx
98	x½ 165feeh	123	x½ 40 feeh@?kVk	148	d½1 o'k
99	?k½ 100 feeh	124	x½ Vh&28	149	d½ 4
100	[k½ 75 eh	125	d½ fM tkbuekM	150	[k½ , III

** mRrj "khV **

lk"u l[;k	mRrj	i"u l[;k	mRrj	lk"u l[;k	mRrj
151	d½+ 1.00 feeh/ -0.00 feeh	176	d½ ykMM	201	x½ 30
152	[k½+ 0.4 feeh/ -0.00 feeh	177	x½ nkuk	202	?k½ 50 fdeh@?kVk
153	x½ 0-5 feeh	178	x½ 2 eghu	203	?k½ 21 fnu
154	[k½ 0-3 feeh	179	d½eghu e 1 ckj	204	[k½ 10 fnu
155	[k½ 10&12 fefuV	180	x½ 3	205	?k½ 1200 eh
156	?k½ 24	181	?k½ 10	206	x½ 800eh

157	d½ 6 feeh	182	d½ 1 o'k	207	?k½ 600 eh
158	?k½ 3 o'k	183	d½ , Dykt	208	[k½ 30 eh
159	?k½ 1200eh	184	d½ xhu@gjk	209	x½ 20 fdeh @ ?kVk
160	[k½ 2 eghu	185	?k½ uk lkbV	210	[k½ 600 eh
161	x½ 4 eghu	186	x½ 2-0 eh	211	d½ LVkQ 10 fdeh@?kVk
162	d½ 6 eghu	187	d½ >80	212	?k½ 30 fdeh @ ?kVk
163	x½ Øhi	188	d½ >0-30g	213	[k½ ,l,lb
164	d½ 150 feeh	189	x½ 25 ± 1 feeh	214	x½ tb@,l,lb
165	x½ 3- 6 eh	190	?k½ >30 feeh	215	[k½ dheu
166	x½ 3	191	?k½ 50 eh	216	d½ eV
167	?k½ 20 fdeh	192	?k½ 13 feeh	217	d½ tb
168	d½ 500 eh	193	[k½ 8 feeh	218	d½ eV
169	d½ 1 e 200	194	x½ 200 eh	219	d½ ,l,lb
170	?k½ 4&6 fefuV	195	d½ >0-35g	220	d½ ,l,lb
171	x½ 2 lky	196	x½ uhM cLM dlLIV	221	[k½ dheu
172	[k½ 65 feeh	197	[k½ lyku cLM	222	d½ eghu e 1 ckj
173	x½ 6 ifr"kr	198	d½ vjtV	223	d½ 15
174	?k½ 3400 feeh	199	[k½ 142	224	?k½ 2
175	[k½ QykfVx	200	d½ LVki ,o 10 fdeh@?kVk d lkFk	225	d½ ,d efguk

** mRrj "khV **

lk"u l[;k	mRrj	i"u l[;k	mRrj	lk"u l[;k	mRrj
226	x½ 15 fnu	251	d½ 30 eh	276	d½ ekbuj e iukYVh

227	x½ Øhi	252	d½ 4-265 eh l @l	277	[k½ etj iukYVh
228	?k½ o'k e 1 ckj	253	x½ 760 feeh	278	[k½ Mhvkj,e
229	d½ eghu e ,d ckj	254	?k½ 840 feeh	279	d½ lh- Mh,lvk
230	[k½ 6 eghu	255	?k½ 51 feeh	280	[k½ 10 fnu
231	x½ 1 e 40	256	x½ 57 feeh	281	d½ gjk
232	x½6850 feeh	257	?k½ 450 feeh	282	[k½ lQn
233	?k½5300 feeh	258	x½ 1905 feeh	283	x½ 180 fnu
234	x½12155 feeh	259	d½ 1675 feeh	284	[k½ ,th,e
235	x½ 6250 feeh	260	d½ 175 eh	285	d½ 2 efgu
236	x½11550 feeh	261	x½ 1670 feeh	286	x½ 9 ?kV
237	?k½ 13160 feeh	262	d½ 1680 feeh	287	d½ ,DlDyflo
238	?k½ 13160 feeh	263	[k½ 1 e 400	288	x½ ihyk
239	x½ 7850 feeh	264	d½ 1 e 1200	289	?k½ 1963
240	x½ 7850 feeh	265	x½ 115 feeh	290	x½ 9
241	x½ 2½1	266	[k½ 160 feeh	291	d½ 22
242	[k½ 30	267	?k½ 180 fnu	292	?k½ 1976
243	[k½ 45 feeh	268	d½ 15	293	d½ 3
244	x½ 41 feeh	269	x½ 300	294	x½ 14 flrEcj
245	x½ 175 feeh	270	?k½ dkb lhek ugh	295	x½ 30
246	d½ 3 eh	271	[k½ efgyk jYo depkjh	296	[k½ LVkd o fjQk;j
247	?k½ 8 eh	272	?k½ 45 fnu	297	?k½ o'k e 1 ckj
248	[k½ 6 eh	273	d½ LkLi"ku	298	[k½ 4
249	?k½ 5 eh	274	[k½ MheM lLi"ku	299	x½ 3

250	x½ 2 1@2 o'k	275	x½ fjokdy	300	[k½ 2 o'k

** mRrj "khV **

lk"u l[;k	mRrj	i"u l[;k	mRrj	lk"u l[;k	mRrj
301	d½ 1 o'k				
302	?k½ 20 ifr"kr				
303	d½ yV				
304	d½ 1 ifr"kr				
305	d½ 5 ifr"kr				
306	[k½ t, xM				
307	x½ 5 ifr"kr				
308	x½ 3				
309	d½ ,cLVDV				
310	[k½ MhVYM				
311	x½ dEly h"ku				
312	[k½14				