

Question paper for the written Examination for the post of JE/PWAY/PRQ IN LEVEL- 6

1. Before De-stressing which of the following to be removed?
a) Guard Rails b) Check Rails c) All the above d) none of the above
2. Before the traffic block of destressing is actually taken, a speed restriction of _____ to be ensured.
a) 30 KMPH b) 40 KMPH c) 75 KMPH d) 50 KMPH
3. Rail shall be lifted and placed on rollers at _____ during destressing work.
a) Every 10 sleepers b) every 15 sleepers c) every 20 sleepers d) every 30 sleepers
4. What is the schedule of Foot inspection by sectional SSE/JE-Pway, Routes having speed above 110 Kmph and Multiple Line Routes entire section including loops lines and yards:
a) Once in 12 month b) Once in 6 month c) Once in week d) Once in month
5. What is the schedule of Trolley inspection by sectional SSE/JE-Pway, Routes having speed above 110 Kmph and Multiple Line Routes:
a) Once in 12 month b) Once in 6 month c) Once in week d) Once in month
6. What is the schedule of LC Inspection by SSE/JE-Pway:
a) Once in 12 month b) Once in 6 month c) Once in 3 months d) Once in a month
7. What is the schedule of Points & Crossings by SSE/JE-Pway:
a) Once in 12 month b) Once in 6 month c) Once in 3 months d) Once in month
8. What is the schedule of Land Boundary Verification by SSE:
a) Monthly b) Once in a Year c) Quarterly d) Weekly
9. Complete track renewals is carried out by any one of the following method:
a) With mechanical equipment
b) With manual method of relaying
c) Both a & b
d) None of the above
10. During re-laying of track with mechanical equipment, the preliminary work prior to relaying at site and the actual relaying process at site and the post relaying operations as described in should be followed.
a) IRPWM b) IRWM c) IREC d) IRTM

11. T-Square is used for:
a) lifting the rail b) carrying the rail c) carrying the sleeper d) squaring the sleepers
12. The manual method of relaying can be followed for:
a) single rail b) 3 rail panel c) LWR track d) all the above
13. During manual method of track relaying, a speed restriction of.....is imposed:
a) 10 b) 20 c) 30 d) 40
14. In manual track relaying method, the work during relaying are as follows:
a) The work is so programmed that at the end of a day's work both deep screening & re-sleepering is completed in a continuous stretch without leaving gap
b) The track is lifted and packed to the final level and suitable ramp should be provided
c) After three rounds of through packing, TRR is carried out under suitable short block
d) All the above
15. In manual track relaying method, the post relaying works are:
a) Alignment, surfacing, gauging, cross-levels...etc
b) Boxing & providing full ballast section
c) Making up cess to the required width & cleaning of side drains
d) All the above
16. A coat of anti corrosive paint is given to the rails used at:
a) Level crossings b) Station yards c) Both a & b d) none of the above
17. New encroachments shall be got removed promptly under provisions of section 147 of Railway Act, year _____:
a) 1988 b) 1985 c) 1989 d) None of the above
18. Old encroachments where party is not amenable to persuasion for removal of such encroachments, action should be taken under the provisions of Public Premises (Eviction of Unauthorised Occupants) Act, year _____:
a) 1988 b) 1971 c) 1980 d) 1989
19. Encroachments by outsiders removal of which requires action under Public Premises Eviction (PPE) Act comes under which category.
a) category B b) category D c) category A d) category C

20. Encroachment by Railway staff in the form of temporary huts etc. comes under which category:
- a) category B b) category D c) category A d) category C
21. Encroachment by Railway staff who have been allotted Railway accommodation, by way of additions to the structures, unauthorised use of land for cultivation etc comes under which category:
- a) Category B b) category D c) category A d) category C
22. Encroachment is of the hard type comes under which of the following category:
- a) category B b) category D c) category A d) category C
23. Encroachments is of the soft types comes under which of the following category:
- a) category B, C & D b) category D c) category A d) category C
24. The frequency of inspection of encroachment shall be at least once in..... months by SSE:
- a) 4 b) 2 c) 1 d) 3
25. No person is allowed to cause discontinuity in track or commence any operation which would obstruct line without obtaining written permission of ____:
- a) Station Master b) JE/P.Way c) Keyman d) Gang-mate
26. The minimum distance between the coping of high level passenger platform to the centre of the track shall be __ mm
- a) 1670 b) 1057 c) 1750 d) 1570
27. Complete block protection is required for following works:
- a) Working of motor trolley b) Working of push trolley in heavily graded sections
- c) Push trolley in long tunnels d) All of the above
28. Works which require no speed restriction, no necessity of hand signals and involving no danger to trains or traffic are called as:
- a) Works of short duration
- b) Works of routine maintenance
- c) Works of long duration
- d) None of the above

29. Works such as through packing, picking up of slacks and overhauling of track etc comes under:
- a) Works of short duration
 - b) Works of long duration
 - c) Works of routine maintenance
 - d) None of the above
30. Works which are completed by sunset of the day of commencement of work and no speed restriction is thereafter required, with necessity of hand signals, banner flags and fog signals are called as:
- a) Works of short duration
 - b) Works of routine maintenance
 - c) Works of long duration
 - d) None of the above
31. Works such as casual renewals of rails and sleepers and adjustment of creep and lubrication of rail joints etc comes under:
- a) Works of long duration
 - b) Works of short duration
 - c) Works of routine maintenance
 - d) None of the above
32. Works which extend over few days or weeks during which a continuous speed restriction is to be kept in force with temporary engineering fixed at specified distances are called as:
- a) Works of short duration
 - b) Works of routine maintenance
 - c) Works of long duration
 - d) None of the above
33. Works such as relaying and deep screening of track, bridge construction, diversions, etc come under:
- a) Works of long duration
 - b) Works of short duration
 - c) Works of routine maintenance

- d) None of the above
34. For works of short duration, when the train is required to stop at the site of work (in Block section):
- a) Post a flagman with hand signals at a distance of 60 meters in rear of the place of obstruction, to show stop hand signals.
- b) Post a flagman with hand signals at a distance of 15 meters in rear of the place of obstruction, to show stop hand signals.
- c) Post a flagman with hand signals at a distance of 30 meters in rear of the place of obstruction, to show stop hand signals.
- d) None of the above
35. The throw of switch of a newly laid BG turnout shall be ____ mm
- a) 100 b) 115 c) both a & b d) none of the above
36. When the train can pass over the work spot at restricted speed in Block section, the intermediate banner flag must be kept across the line until the speed of the train has been:
- a) Increased b) Reduced c) Either of the above d) None
37. On a single line, the line must be so protected on:
- a) Both sides of the work b) Either of the one side
- c) The side with maximum traffic density d) neither of the sides
38. Before commencing work on a line which can be isolated from the other running lines, who should ensure that the line has been isolated and retain the keys of the locking device in his possession?
- a) Keyman b) Gangmate c) JE/SSE/P.Way d) None of the above
39. In automatic territory, if the distance from the place of works/obstruction to the automatic signal controlling entry of a train into the signaling section is less than 1200 meters and the automatic signal is secured at 'ON', the banner flag and:
- a) Three detonators may be provided at 90 and 180 meters respectively.
- b) Three detonators may be provided at 60 and 120 meters respectively.
- c) Three detonators may be provided at 80 and 160 meters respectively.
- d) None of the above
40. For works of long duration, in case where stop dead restriction is to be imposed and the restriction is to last for more than a day, the following temporary Engineering indicators should be exhibited at the appropriate distance:

- a) Caution, Speed and Termination indicator
 - b) Caution, Stop and Termination indicator
 - c) Caution indication board, Stop and Termination indicator
 - d) None of the above
41. In a case where the train is not required to stop (non-stop restriction) and the restriction is likely to last for more than a day, the following temporary Engineering indicators should be exhibited at the appropriate distances:
- a) Caution indication board, Stop and Termination indicator
 - b) Caution, Stop and Termination indicator
 - c) Caution, Speed and Termination indicator
 - d) None of the above
42. Temporary fixed engineering signals are:
- a) Caution indicator
 - b) Termination indicator (T/G or T/P)
 - c) Stop or speed indicator
 - d) All of the above
43. In the case of multiple speed restrictions if not, then only one SR board should be provided, considering that the previous:
- a) Case 1- Average gap is within the recommended range, but some of the individual gaps fall outside the range.
 - b) Case 2- Average gap falls outside the recommended range.
 - c) Case 3- Average gap as well as individual gaps fall within the range.
 - d) All the above
44. The gap survey and adjustment should normally be done before the:
- a) End of February once a year
 - b) Starting of February once a year
 - c) Both
 - d) None of the above
45. The joint gap shall be measured by taper gauge in:
- a)mm
 - b)m
 - c)cm
 - d) All the above
46. The gap measurements recorded and the permissible values of gap (concerned range for gap) given above will lead to one of the following cases:

- a) Case 1- Average gap is within the recommended range, but some of the individual gaps fall outside the range.
- b) Case 2- Average gap falls outside the recommended range.
- c) Case 3- Average gap as well individual gaps fall within the range.
- d) All the above
47. The survey should be completed during as _____ as possible.
- a) long a time b) short a time c) Both A or B d) All the above
48. The gap survey shall be conducted on a clear sunny day in the cool hours of the day in _____ Temperature trend.
- a) Lower rail b) Rising rail c) Both A or B d) None of the above
49. How many days should the SEJ Oiling and greasing be done by the keyman?
- a) Once in week b) Once in fortnightly c) Once in month d) None of these
50. The keyman shall promptly report to _____ any encroachment or unauthorized structures.
- a) Mate b) JE PWAY c) SSE PWAY d) Either one
51. Who is the incharge of the gang in absence of the gang mate?
- a) JE PWAY b) Keyman c) Gang man d) None of these
52. Who should keep a special watch on the rails and welds marked for observation by USFD team?
- a) JE PWAY b) Mate c) Gangman d) Keyman
53. Missing ERCs, liners, keys, and other missing fittings will be recouped by _____.
- a) Mate b) Gang man c) Keyman d) None of these
54. What are the duties of monsoon patrolman?
- a) Signs of erosion b) Look the bridges and their approaches
- c) Look any damage on track d) All of these
55. Patrol the track during the hottest part of the day to look for:
- a) Prominent kinks b) Tendency towards buckling

- c) Both a and b d) None of these
56. Patrol the track during the coldest part of the night and lookout for:
- a) Weld fractures b) Rail fractures c) Excessive gaps at SEJ d) All the above
57. During patrolling, if the patrolman found a rail/weld failure, what are the first duties of the patrolman?
- a) Inform to JE PWAY b) Protect the track c) Emergency repair d) Inform to SM
58. Gateman should have knowledge of:
- a) Gate working rule b) Safety rule c) Both a and b d) None of these
59. Gateman should stand facing the track on the _____ of the approaching train.
- a) Gate lodge side b) Road side c) Track side d) None
60. What are the Safety equipment at the gate?
- a) Detonators b) Banner flag c) Hand signals d) All the above
61. Who is responsible for the upkeep of safety equipment at the gate?
- a) Mate b) Key man c) JE PWAY d) Gateman
62. In the case of an obstruction at the level crossing gate, the gate should maintain the gate signals in the _____ position.
- a) Off b) On c) Both a and b d) None of these
63. If lines are obstructed during the day, the gateman shall plant a red banner flag at a distance of _____ from the end of check rails.
- a) 10 m b) 5 m c) 15 m d) 30 m
64. What should be observed by the gateman during passing the train?
- a) Hot axle detection b) Flat tire detection
- c) Hanging parts in the train d) All the above
65. Gateman should have knowledge of:
- a) Gate working rule b) Safety rule c) Both a and b d) None of these
66. If any obstruction at the level crossing, the gateman should place three detonators at a distance of _____ from the gate.
- a) 1000 meters b) 600 meters c) 30 meters d) 1200 meters

67. Painting of weld collar should be done on all welds to protect them against corrosion -----
----- after the welding.
- a) Immediately b) One week c) One month d) No required
68. In corrosion-prone areas, thermit weld joints should be painted once _____.
- a) One year b) Two years c) Three years d) Four years
69. In non-corrosion-prone areas, thermit weld joints should be painted once _____.
- a) One year b) Two years c) Three years d) Four years
70. All the welded joints shall be ultrasonically tested as early as possible, in any case, not later than _____ days, and records maintained.
- a) 30 days b) 45 days c) 60 days d) None of the above
71. Indian Railways perform flash butt welding by _____.
- a) Stationary flash butt welding plant b) Mobile flash butt welding plant
c) Either one d) none of the above
72. Renewals are may be planned in as and lengths as practicable, within the available resources.
- a) Short and continuous b) Long and discontinuous
c) Long and continuous d) Long and as well as short
73. Renewals are also planned in short isolated stretches of 10 km and less, not due for renewal on condition basis may be programmed along with:
- a) Adjoining length b) Breathing length
c) Both A and B d) None of the above
74. If short and isolated stretches of 10 km and less do not conform to the required standards, priority in planning renewals should be given to:
- A) Busy and important lines B) Busy and branch lines
C) Unimportant branch lines D) Group A and B routes
75. Track renewal Programmes is prepared year in advance and as much as years may elapse before renewals are carried out.
- A) one year and two years B) four years and two years
C) six months and one year D) One year and five years

76. On receipt of Railway Board's sanction to the track renewal proposal, arrangements will be made by the Headquarters for supply of:
- a) Building materials to the divisions b) Track materials to the Divisions.
c) Bridge materials to the Headquarters d) None of the above
77. In case of Secondary Renewals, if the condition of rail is satisfactory, it is a good practice to crop the rail ends and weld them into:
- a) SWR and use them in lesser important lines b) SWR and use them in important lines
c) LWR and use them in Group A lines d) None of the above
78. The rails released from primary relaying and not fit for use in secondary relaying should be used in:
- a) Loop lines b) Sidings or non-passenger running lines in yards
c) Main lines in yards d) On approaches of Bridges and LC's
79. All primary renewals in the future shall be carried out with sleepers:
- a) PRC b) Wider base sleepers c) Steel sleepers d) Channel sleepers
80. Lubrication of ERC in platform line is done once in _____ years.
- a) 1 b) 2 c) 3 d) 4
81. _____ is used for deep screening.
- a) BRM b) BCM c) DTS d) SBCM
82. No. of insertion per sleeper when lifting of PSC sleeper track by 50mm shall be:
- a) 1 b) 2 c) 3 d) 4
83. The service life of 60 kg 90 UTS rail is _____.
- a) 550 b) 525 c) 800 d) 880
84. The Chamfering of one bolt hole takes....minutes.
- a) 5 b) 3 c) 2 d) 10
85. The ballast cushion for A route with PSC sleeper track is _____.
- a) 350 b) 300 c) 250 d) 200
86. The minimum permitted radius of reverse curve in LWR track is.....m.
- a) 3500 b) 1500 c) 875 d) 1000
87. The gap of SEJ shall be kept _____ mm for 60kg rail section at destressing temperature.

- a) 40 b) 60 c) 120 d) 80
88. The glued joint in LWR track shall be of _____ type.
a) G3(L) b) G3(S) c) G3(H) d) G3(C)
89. Hot weather patrolling is introduced when rail temperature exceeds $t_d + \dots\dots\dots 0C$.
a) 10 b) 20 c) 25 d) 15
90. CMS crossing has ___ mm gap in the joint.
a) 6 b) 10 c) 0 d) 5
91. Level correction can be done by unimat machine when it works on _____ line.
a) main line b) turnout c) both a & b d) none of the above
92. T _____ grooved rubber pad is used T 2496 sleeper.
a) 3711 b) 3706 c) 3708 d) 3707
93. Turnout curve starts from _____ for curved switch layout.
a) ATS b) ToC c) HoS d) none of the above
94. The nominal gauge of PSC sleeper is _____ mm.
a) 1673 b) 1676 c) 1679 d) 1750
95. The sleeper spacing of PSC layout is marked on _____ rail.
a) turnout b) mainline c) both a & b d) none of the above
96. Throw of switch of a new point in BG track is _____ mm.
a) 115 b) 100 c) 175 d) 150
97. The slope at the end of machine packing is 1 mm in _____ meter.
a) 2 b) 1 c) 3 d) 4
98. GRP is changed when it is _____.
a) Crushed b) torn c) both a & b d) none of the above
99. PSC sleeper with mark '1A' is laid near _____ in PSC layout.
a) SRJ b) ToC c) HoC d) all the above
100. Minimum length of LWR on BG track is _____ m.
a) 250 b) 500 c) 1000 d) 750

101. What is the Official Language of Union of India?

- a) Hindi in Devnagari Script b) Hindi in Brahmi Script
c) Urdu in Devnagari Script d) Sanskrit in Devnagari Script

102. On which date was Part XVII of the Constitution passed in Parliament?

- a) 14.9.1959 b) 14.9.1969 c) 14.9.1949 d) 14.9.1955

103. When was Official Languages Act 1963 passed?

- a) 10.5.1965 b) 10.6.1960 c) 10.5.1963 d) 10.5.1973

104. When was Official Languages Act 1963 amended?

- a) 1967 b) 1966 c) 1976 d) 1977

105. What are the three regions classified under Official Language Rules?

- a) I, II, III regions b) A, B, C regions
c) X, Y, Z regions d) 1, 2, 3 regions

106. When is 'Hindi Day' celebrated every year?

- a) 14 August b) 14 September c) 14 March d) 14 July

107. According to Official Languages Rules, Andaman & Nicobar Islands come under which region?

- a) B region b) C region c) A region d) D region

108. From when did the Sec. 3 (3) of Official Languages Act take effect?

- a) 15 August 1947 b) 26 August 1965
c) 26 January 1947 d) 26 January 1965

109. In which part of the Constitution are the Articles 343-351 which give information about Official Language available?

- a) Part XVII b) Part XV c) Part XVI d) Part XIV

110. Sections 6 & 7 of Official Language Act 1963 do not apply in which State?

- a) Puducherry b) Daman & Diu c) Jammu & Kashmir d) New Delhi

WRITTEN EXAMINATION FOR SELECTION TO THE POST OF JE/P.WAY
(20% LDCE QUOTA)

DATE OF EXAMINATION: 24.02.2024

Maximum Marks: 100

Time: 2 hours

Instructions to the candidates:

Candidates must read the instructions carefully, prior to start of the exam.

1. Check that the question paper Contains 110 questions and if any unprinted / torn pages are found, get it replaced.
2. There will be 110 questions with four multiple choice answers. Each Question carries equal mark. **There will be negative mark @ 1/3 for each wrong answer.**
3. It may be noted that in the event of any doubt / discrepancy, the most apt option and the English version will prevail. The candidates appearing for the exam are requested to clarify their doubts about any questions/ option, at the beginning of / during the examination, so that the exam shall be clarified / corrected / substituted, for the benefit of all.
4. **Candidates are required to fill Items No.1 to 11 in the OMR answer sheet.** Use only Blue/Black Ball Point Pen for writing / shading/ darkening on the OMR Sheet. **Gel Pens/ Pencils are not allowed.**
5. The OMR answer sheet contains duplicate copy and **DO NOT ATTEMPT TO SEPARATE OR DISPLACE THE DUPLICATE COPY WHILE ANSWERING.**
The shading / darkening done on the original OMR answer sheet will automatically appear on the Carbonless Copy and hence no separate shading/darkening requires on the carbonless copy.
6. Corrections of any type on the OMR Sheet (e.g: overwriting , cutting , erasing or alterations of any type in the answer) **will not be accepted.** Zero marks will be given for such answers. **No replacement OMR Sheet will be provided.**
7. Please enter your **Employee No ONLY** in the Box provided in the Answer Sheet and darken the corresponding circle.
8. Answers to Questions 1 to 110 are given in the multiple choices as A, B, C, D. Choose only one correct answer to each question from the multiple choice given (A, B, C, D) and darken/shade the appropriate circle fully. Changes are not permitted once answered.

Correct Method



Wrong Method



9. Candidates are strictly advised to answer **only 100 questions** out of 110 questions. The first attempted 100 questions will be evaluated and answering more than 100 will be ignored even though correctly answered. Answering of Questions in official language is **NOT MANDATORY.**
10. Please handover the OMR Sheet along with its duplicate copy to the invigilator before leaving the examination hall. No OMR Sheet copy should be carried by the candidate. Candidates are allowed to take the question paper with them after the examination.

1. Cant deficiency occur when train travel on curve at?
 - A) Higher speed than the equilibrium speed
 - B) Lower speed than the equilibrium speed
 - C) Equilibrium speed
 - D) Sectional speed
2. D.S-8 is prepared for?
 - A) Scrap and class-III materials
 - B) Class-I materials
 - C) Class-II materials
 - D) None of the above
3. Encroachment of Railway Land should be recorded in?
 - A) Land boundary verification Register
 - B) Encroachment Inspection Register.
 - C) Section Register
 - D) Special occurrence Register.
4. Degree of curvature is measured by a chord length of?
 - A) 30 m
 - B) 30.5 m
 - C) 32 m
 - D) 32.5 m
5. Which one of the following is not major penalty?
 - A) Removal from service
 - B) Compulsory Retirement
 - C) Reduction to a lower stage
 - D) Increment cut for one year
6. Which of the following **Leave** may be granted to a Railway Servant, when no leave is admissible under any other rules?
 - A) Special Approved Leave
 - B) Extra ordinary Leave
 - C) Special Casual Leave
 - D) Special Privilege Leave
7. What is the frequency of Stock Verification for Tools and Plants?
 - A) Once in a year
 - B) Once in two years
 - C) Once in three Years
 - D) None of the above
8. What is the diameter of rail hole normally provided for fish plate joint?
 - A) 26.5 mm
 - B) 28 mm
 - C) 32 mm
 - D) None of the above
9. What is service life of 60 kg 90 UTS rails as per new revised norms where routes covered by Rail Grinding?
 - A) 1000 GMT
 - B) 800 GMT
 - C) 525 GMT
 - D) None of the above
10. What is the track machine used for renewal of point and crossing as TTR works?
 - A) PQRS
 - B) TRT
 - C) T-28
 - D) UTV.
11. What is the frequency of deep screening in loop line?
 - A) 10 years
 - B) 15 years
 - C) 18 years
 - D) 20 years
12. Schedule for point & crossing inspection of JE/P. Way?
 - A) Once in a month
 - B) Once in 2 months
 - C) Once in 3 months
 - D) Once in 6 months
13. Maximum clearance of check rails at Level Crossing on BG track is?
 - A) 44 mm
 - B) 48 mm
 - C) 57 mm
 - D) 51 mm
14. Cant excess occur when train travel on curve at?
 - A) Higher speed than the equilibrium speed
 - B) Lower speed than the equilibrium speed
 - C) Equilibrium speed
 - D) Sectional speed
15. The minimum horizontal distances form center of track to face of passenger platform coping for B.G. station is?
 - A) 1650 mm
 - B) 1670 mm
 - C) 1676 mm
 - D) 1685 mm
16. The minimum track centers in B.G. double line track it should be?
 - A) 4.75 m
 - B) 5.30 m
 - C) 5.75 m
 - D) 6.25 m

17. What is the preservation period for gang chart?
 A) 6 months B) 12 months C) 24 months D) 60 months
18. CRRM stand for?
 A) Composite Railway Release Material
 B) Credit For Railway Release Material
 C) Complex Railway Release Material
 D) None of the above
19. PNM at Divisional level frequency is?
 A) Once in 2 months B) Once in 3 months
 C) Once in 4 months D) None of these
20. Full Form of CTG?
 A) Composite Transfer Grant B) Composite Training Grant
 C) Composite Transfer Generation D) None of these
21. What is the minimum width of B.G railway formation for double line straight track for new works/alteration?
 A) 11550mm B) 12150mm C) 13160mm D) None of these
22. Full form of GRSP?
 A) General Rubber Sole Plate B) Grooved Rubber Sole plate
 C) General Rust Safe Plate D) Glass Rubber Safe Plate
23. Full Form of GMT?
 A) Gross Million Tonne B) Gross metric tank
 C) General Mix tank D) none of the above
24. Inspection of SEJ by JE/P.Way to be conducted once in ?
 A) 6 Months B) A Month C) Three Months D) 15 Days
25. Newly executed AT welds on track should be USFD tested?
 A) As early as possible but not later than 30 days
 B) As early as possible but not later than 15 days
 C) As early as possible but not later than 10 days
 D) As early as possible but not later than 7 days
26. CMT – Stands for?
 A) Chemical & Metallurgical Testing B) Cast Manganese Track
 C) Civil Engineering Material Train D) None of the above
27. HAZ stands for?
 A) Heat affected zone B) Heat attracted zone
 C) Heavily affected zone D) None of the above
28. What is the maximum permissible design cant on curved track on Group A & B route?
 A) 160mm B) 140mm C) 185mm D) None of the above.
29. What is the permissible speed on 1 in 12 curved switch turnouts?
 A) 15kmph B) 30 kmph C) 45 kmph D) 50kmph
30. Which Statement regarding the Breathing length of LWR is correct?
 A) Track Length at each end of LWR, which is subjected to Expansion/contraction on the account of the temperature variations.
 B) Track Length at center of LWR, which is subjected to Expansion/contraction on the account of the temperature variations.
 C) Both Statements are correct.
 D) Neither A nor B Are Correct.
31. Hot Weather Patrolling is carried when rail temperature exceeds.....(For a track having sleeper density 1540 no/km or more)?

- A) $t_d + 15^0 C$ B) $t_d + 20^0 C$ C) $t_d + 30^0 C$ D) $t_d + 25^0 C$
32. What is the Normal Life of Detonators?
A) 10 years B) 5 years C) 2 years D) 4 years
33. Normal Speed can be restored in the case of Manual deep Screening of plain track after days?
A) 21 days B) 20 days C) 16 days D) 10 days
34. If check rails are removed for any track maintenance work and cannot be refixed for any reason, the traffic should be allowed with a caution of?
A) 10 kmph B) 20 kmph C) 30 kmph D) 50 Kmph
35. A Gateman should have a certificate of fitness of class.....from a medical department?
A) A-1 B) A-3 C) B-1 D) C
36. Group C staff with 3 years of service is entitled for how many sets of passes in a calendar year?
A) 1 B) 2 C) 3 D) 4
37. What is the frequency of **Track Recording Car** (TRC) for routes with existing speeds above 110 kmph and up to 130 kmph?
A) Once in 2 Months B) Once in 3 Months
C) Once in 4 Months D) Once in 6 Months
38. What is the maximum number of **LAPs** That can be accumulated in an employee's leave account?
A) 180 B) 250 C) 300 D) No Restriction on Accumulation
39. What is the value of $5 \times 3 - 12 \div 4 + 8$?
A) 14 B) 2 C) 3 D) none of these
40. A male Railway servant with less than two surviving children, may be granted Paternity Leave for a period of -----?
A) 15 days, up to Twelve months from child birth
B) 15 days, up to six months from child birth
C) 20 days, up to six months from child birth
D) 20 days, up to Twelve months from child birth
41. If Rail marked as IMR Defect during USFD testing, it shall be replaced within?
A) 1 day B) 3 days C) week D) 5 days
42. The minimum engineering official required to allow the passage of train at restricted speed after attending a rail fracture is?
A) JE/P.Way B) Keyman C) Mate D) SSE/P.Way
43. Opening and Examination of JFP shall be done?
A) Once in two years B) Once in a year
C) Once in six months D) Not required
44. Oiling and greasing of SEJ shall be done at.....?
A) Once in a week B) Once in a fortnight
C) Once in 10 days D) Once in a month
45. Distance pieces shall to be provided at platform lines at every __m length?
A) 30 m B) 100 m C) 50 m D) 300 m
46. Which of the following is Works of "short duration"?
A) Creep adjustment B) Casual renewal of sleepers
C) Lubrication of rail joint D) All the above
47. Temporary engineering indicators are required to be provided on track in case of track maintenance works such as?
A) Deep screening of track B) Creep adjustment

64. ABC is a right-angle triangle with Angle B = 90° . Given that AB = 4 cm and BC = 3 cm. Find the length of AC?
 A) 7 cm B) 6 cm C) 5 cm D) 4 cm
65. Find the Average rainfall of from the given readings of five rain gauge i.e 18mm, 22mm, 16mm, 20mm, 24mm?
 A) 20mm B) 25mm C) 30mm D) 40mm
66. What is the criterion for the 'Special Class of Level Crossing'?
 A) TVUs less than 50,000 B) TVUs equals to 50,000
 C) TVUs greater than 50,000 D) None of these
67. Where is the Headquarter of North-Eastern Railway located?
 A) Hubli B) Guwahati C) Udhampur D) Gorakhpur
68. What is the schedule of inspection of night patrolling by JE/P.Way ?
 A) Once in a week B) Once in a Fortnight
 C) Once in a month D) Once in three months
69. Cold Weather patrolling shall compulsorily be started when rail temperature goes below...?
 A) $t_d - 30^\circ\text{C}$ B) $t_d - 25^\circ\text{C}$ C) $t_d - 20^\circ\text{C}$ D) $t_d - 15^\circ\text{C}$
70. Insertion of pre-assembled turnout is done by?
 A) TRT Machine B) SQRS/PQRS Machine
 C) T-28 Machine D) None of these
71. Which of the following is the busiest suburban railway network in India?
 A) Chennai Suburban Railway
 B) Lucknow – Kanpur Suburban Railway
 C) Mumbai Suburban Railway
 D) Kolkata Suburban Railway
72. What can be the maximum distance of Trolley Refuges on high banks?
 A) 100 m B) 200 m C) 300m D) 400
73. CSL Stand For.?
 A) Common Slow Line B) Clear Slow Line
 C) Clear standing Length D) Common Standing length
74. What is the minimum distance to be maintained from the live O.H.E wire.....?
 A) 5-meter B) 3-meter C) 1 meter D) 2-meter
75. What is the minimum clearance of check rails for a curve?
 A) 51 mm B) 57mm C) 44mm D) none of these
76. What is the minimum radius of curve permitted on BG Track?
 A) 160m B) 175m C) 190m D) None of these
77. Under what GMT condition renewal of Thick Web Switch (60kg points and crossing) is carried out?
 A) 400 GMT B) 500GMT C) 700 GMT D) 800 GMT
78. Which formula helps in determining for maximum permissible speed for transitioned curves?
 A) $V = 0.27 \sqrt{[(Ca+Cd)] * R}$ B) $V = 0.25 \sqrt{[(Ca+Cd) * R]}$
 C) $V = 0.27 \sqrt{[(Ca - Cd) * R]}$ D) None of these
79. A Slip siding in the yard to be provided if gradient steeper than?
 A) 1 in 100 B) 1 in 150 C) 200 D) None of These
80. Which is/are correct statement(s) regarding the equilibrium speed?
 A) The Speed during which Centrifugal Force Developed during the movement of the vehicle on a curved track is more than the cant provided.

- B) The Speed during which Centrifugal Force Developed during the movement of the vehicle on a curved track is exactly balanced by the cant provided.
 C) Both the Statements are correct
 D) Neither A nor B are correct.
81. Which is/are statement(s) Correct regarding the Stress-Free Temperature(t_0)?
 A) The temperature of the rail in LWR/CWR at which the rail is free of thermal stresses.
 B) The temperature of the rail in LWR/CWR at which the rail is having thermal stresses.
 C) Both the Statements are correct
 D) Neither A nor B are correct.
82. Which is/are statement(s) Correct regarding Rail Tensor?
 A) The Hydraulic or Mechanical device used for Compressing the rail Physically
 B) The Hydraulic or Mechanical device used for Stretching the rail Physically
 C) Both the Statements are correct
 D) Neither A nor B are correct.
83. Which is/are statement(s) Correct regarding Transition Curve?
 A) An Easement curve which has curvature change throughout its length.
 B) An Easement curve which has curvature remain same throughout its length.
 C) Both the Statements are correct
 D) Neither A nor B are correct.
84. What is the safe distance that should be maintained when two or more trollies are running together in the same direction and on same line?
 A) At Least 50 m
 B) At least 75 m
 C) At least 90 m
 D) At least 100 m
85. A female Railway employee shall be entitled to maternity leave for?
 A) 180 days
 B) 120 days
 C) 90 days
 D) 130 days
86. LAP shall be credited to a Railway servant at the rate of?
 A) 2 ½ days per month
 B) 3 days per month
 C) 2 days per month
 D) 1 ½ days per month
87. Maximum encashment of leave on average pay is..... ?
 A) 200 days
 B) 60 days
 C) 360 days
 D) 300 days
88. Which No. of standard form is used for issuance of Major penalty charge sheet on disciplinary proceedings?
 A) SF-11
 B) SF-6
 C) SF-5
 D) None of these
89. How many sets of School Pass issued to Railway employee?
 A) 6 sets per year.
 B) 4 sets per year
 C) 3 sets per year
 D) 5 sets per year.
90. Maximum validity for a Privilege Pass?
 A) 3 months (Half-set)
 B) 4 months (Full-set)
 C) 2 months (Half-set)
 D) 5 months (Full-set)
91. Full form of P.T.O.
 A) Personnel Ticket Order
 B) Permanent Ticket Order
 C) Privilege Ticket Order
 D) Pass & Ticket Order.
92. How much Service (minimum) is required for Post Retired Complimentary Pass?
 A) 20 years
 B) 25 years
 C) 15 years
 D) 33 years

93. How many break journeys are admissible in Privilege Pass?
A) 6 nos. B) 7 nos. C) Any number (En-route) D) 5 nos.
94. As per the Railway Servants (Hours of Work and period of Rest) Rules, 2005, the statutory limit for continuous category is?
A) 48 hours B) 45 hours C) 54 hours D) 75 hours
95. As per the Railway Servants (Hours of Work and period of Rest) Rules, 2005, the minimum weekly rest for intensive category SHOULD be?
A) 30 hours B) 24 hours C) 40 hours D) 34 hours
96. The standard duty hours for ministerial staff working in administrative offices is?
A) 48 hours B) 40 hours C) 42 hours D) None of these
97. What is the distance covered by a Train which travelled at a speed of 70 Km/h for 3 hours and 30 minutes?
A) 245 Km B) 250 km C) 300 km D) none of these
98. In a class of 60 Student 20% are girls. How many Boys are there in the class?
A) 50 B) 45 C) 48 D) None of these
99. Complete the Series 3, 5, 9, 15, 23,
A) 30 B) 35 C) 28 D) 33
100. A keyman running at 9 km/h alongside a railway track in 240 meters ahead of the engine of a 120 meters long train running at 45 km/h in the same direction. In how much time will the train pass the keyman?
A) 3.6 sec B) 18 sec C) 36 sec D) None of these
101. When is Hindi Diwas observed in India?
A) September 14 B) September 15 C) September 13 D) September 2
102. When was the official language rule passed?
A) 1967 B) 1976 C) 1982 D) 1961
103. Which elementary Hindi course is prescribed for Central Govt. employees?
A) Prabodh B) Praveen C) Pragya D) None of these.
104. Who is the Chairman of Central Hindi Committee?
A) Home Minister B) Defense Minister C) Railway Minister D) Prime Minister
105. How many members are there in the Committee of Parliament on Official Language?
A) 10 B) 15 C) 20 D) 30
106. Which was the final Hindi course prescribed for Clerical cadre employees of Central Govt.?
A) Prabodh B) Praveen C) Pragya D) None of these.
107. Mention the name of the award to be given for writing original Hindi books on technical subject, by Railway Board?
A) Premchand Award B) Lal Bahadur Shastri Award
C) Mahatma Gandhi Award D) None of these
108. How many Officers/Employees are awarded every year from Zonal Railways under Railway Board's Rajbhasha individual Cash Award Scheme?
A) 12 B) 10 C) 08 D) 06
109. Tamil Nadu comes under which region?
A) A Region, B) B Region, C) C Region, D) D Region,
110. What is the script in which Hindi is written?
A) Brahmi B) Devanagari C) Grantha D) Kharosthi