

**NOTIFICATION FOR CALLING WILLINGNESS APPLICATIONS FOR SELECTION TO THE POST OF JE(Tele) 20% LDCE QUOTA in Level 06 (GP.4200/-).**

Central Railway

DRM'S Office  
P/Branch, Solapur  
Date:- 17.01.2024

No.SUR/P/S&T/Sele./JE(Tele)/20% LDCE.quota

**SSE (Tele) SUR, DD**

Sub: - Formation of panel for filling up the post of JE(Tele) Level 6 against 20% LDCE quota (Intermediate Apprentices) in S&T Department of Solapur Division.

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It is proposed to form a panel for filling up of **Four** vacancies **UR-03, SC-01, ST- Nil Total =04** of JE(Tele) level 6 against 20% LDCE quota (Intermediate Apprentices) in S&T Department of Solapur Division.

**Terms and condition for applying: -**

1	Vacancies assessed with communal Break up	<b>UR-03, SC-01, ST- Nil Total =04</b>	
2	Eligibility	(i) Category	All Technicians of Telecommunication branch of S&T department of Solapur Division having the qualification of ITI/Act Apprenticeship pass in the relevant trade or 10+2 in Science (Mathematics & Physics) stream with minimum three years of service in skilled grads i.e. Technician TCM Gr. III in S&T department of Solapur division as on <b>17.01.2024</b> .
		(ii) Upper Age limit	In terms of Railway board letter E(NG)/1999/PM7/17 dated 09.06.2010 & 14.06.2011 the age limit for the staff should be below 47 years of UR and 52 years of SC/ST employees at the time of notification i.e. on 17.01.2024. In terms of Railway Board's Lr. No. E(NG)/2005/PM1/52, dated.22/08/2006, the cut-off date for determining the eligibility of the staff should be the date of issue of notification. As such the volunteering staff should stand fulfill the service conditions of age and educational qualifications and other service for promotion in the new seniority unit provided.
		(iii) Educational qualification	In terms of Railway Board's Lr. No. E(NG)/99/PM7/17. Dated.25/08/2003 the qualification of Matriculation plus ITI/Act Apprenticeship pass in the relevant trade or 10+2 in Science (Mathematics & Physics) stream or Three year Diploma in the relevant branch of Engineering for eventual absorption in the category for which the selection is conducted i.e. trades relevant to the post of JE in S&T department of SUR division.
3	Mode selection	(i) Written Examination	a) Question paper will consist of 100% objective type multiple choice question paper. Candidate has to secure minimum 60% of marks in Paper-I & also in Paper-II of written examination. There will be negative marking in @ 1/3 mark for a wrong answer for all selection including LDCE where panel is arranged in the order of merit from those qualified (Ref:- RB's Lr.No.E(NG)/2018/PM/1/4 dtd.14.11.2019. (RBE 194/2019) b) The post of JE(Sig) being a safety category post there is no relaxation in qualifying marks to employees belongs to the category of SC/ST and required to secure 60% marks in the written examination.
		(ii) Panel formation	Panel will be based on record of service and marks in written examination. Candidates has to secure an aggregate of 60% marks in Paper-I and also in Paper-II to qualify. <b>Panel will be formed on the basis of merit</b>
		(iii) Training to selected employees	The selected candidates/employees will have to undergo prescribed training for a period of 52 weeks institutional as well as field training.
		(iv) Medical Class required	The promotion is subject to being fit in AYE-THREE (A-3) Medical class.

*[Signature]*  
17/01/2024



4) Posting & further promotion in JE cadre	<p>a) Absorption as Junior Engineer (Tele) will depend upon their successful completion of prescribed training course and passing the examination.</p> <p>b) Once the staff opts and gets selected for the post of JE (Tele) he/she will not be allowed to go back to their parent cadre/post.</p> <p>c) He /She should be prepared to work anywhere on Solapur Division of C.Rly.</p> <p>d) No refusal will be accepted. After refusal in such cases DAR action will be taken against the concerned employee.</p>
5) Documents required along with the application	<p>i) Attested copies of caste certificate for SC/ST employees.</p> <p>ii) Educational qualification certificate along with Mark sheet duly attested.</p> <p><b>Note:- If no documents are enclosed with the application, the same will not be accepted and he/she will not be eligible to appear for selection.</b></p>

**Note: - 1) Syllabus: -** The Syllabus prescribed for selection to the post of JE (Tele) in S&T Department of Solapur Division against 20% LDCE Departmental quota is enclosed as **(Annexure B.)**

**2) Procedure for written examination:**

In terms of Railway Board's Lr. No. E(NG)I-2018/PM1/4 dated.14/12/2018 the written examination consists of 100% objective type questions for Paper-I & II. Correction to the answers for the objective type questions will not be evaluated such as.

- Cutting.
- Overwriting.
- Erasing.
- Scoring off a ticked answer in multiple-choice and ticking another answer and
- Modifying the answer in any way.
- The question paper for written test as a part of selection, it should test the ability of the candidates to tackle the practical problems and will be on practical basis. However, the candidates will also be test on the practical knowledge wherever required. (Railway Boars Lr. No.E(NG)I-2004/PN1/25 dtd.21.09.2004).

**3) Please note that there will be no Supplementary Written Examination.**

**4) Question Bank:**

In terms of Railway Boards Lr.No. E (NG) I/2006/PM1/34 dated.06/11/2006. Updated question bank covering the complete syllabus will be provided to the staff concerned. It is further advised that there will not be any mandatory limit of questions from the question bank. The controlling officer/supervisor has to ensure that the question bank is circulated to all the eligible staff and postponement of selection due to non-circulation of question banks will be viewed seriously.

The answers to the objective questions should be updated with latest instructions/ amendments / modifications issued by the Railway Boards.

5) Please note and advise all the employees working in the category as mentioned in the notification and forward the application of staff who are willing to appear for selection for the post of JE(Tele) in Level-6 (GP. 4200/-).

6) The application of eligible employees fulfilling the required eligibility conditions quoted above should be forwarded in the prescribed proforma (Annexure-A) duly scrutinizing the eligibility of staff and ensure attested copies of educational qualification, Mark sheet and SC/ST certificate must be attached with the application.

7) Last date of submission of application forms to Sr.DPO's office (P/S&T) is on or **before 20.02.2024.**

**8) Pre-Selection Coaching:**

In terms of instructions contained in Railway Boards Lr. No. 88-E(SCT)I/42/2, dated.8/11.01.1991. Pre-selection/pre-promotion training to SC/ST employees is to be conducted covering the syllabus of the examination for selection to safety Category post and will be imparted for a period of 3 or 4 weeks. After completion of the pre-selection coaching, a certificate has to be issued by the controlling officer to effect that all the eligible SC/ST employees have been imparted pre-selection coaching for a period of 3 or 4 weeks covering the syllabus prescribed for the examination. In case if any employee expressed his unwillingness for pre-selection coaching a written declaration to that effect may be obtained and forwarded to this office for record.

*[Handwritten Signature]*  
12/11/2024



**9) Additional information for guidance to the staff:-** In terms of this office letter No. SUR/P/Con/Selection/Publishing Answer - Key/2023 dated 22.11.2023 it is hereby advised to incorporate the following instructions/clarification issued for all departmental/LDCE selections.

A). AS per Headquarter letter No.P/HQ/Ruling/O/803 dated:07.10.2022, the 'Answer key' or 'Revised Answer key' if any will be uploaded in Rail Net website <https://cr.indianrailways.gov.in/> Any representation(s) against the questions/options, to be uploaded by the examinees with proper clarification (only candidates who appeared) on email id (srdposur@amail.com) only (not through DAK) and the examinees will be given only 07 days (including intervening holidays) from the day next to date of publishing of Answer key.

B). As per Railway Board's Letter No. E(NG)I-2023/PM1/9 dated:08.06.2023, total marks secured by all the candidates who have been evaluated after qualifying the written examination and the marks secured in the written test in case of the remaining candidates will be uploaded in Rail Net website <https://cr.indianrailways.gov.in/> after finalization of the panel.

C). AS per Railway Board's letter No.2010/E(RRB)/25/27Pt dated:09.06.2011 stipulates that wherever any question(s) in the question paper(s) is found to be incorrect, the question(s) may be omitted from the scope of evaluation instead of giving grace mark(s) and raw score may be assessed on percentage basis.

Accordingly, in terms of Railway Board vide Letter No. E(NG)I/2018/PM1/4 dated:07.11.2023, In case some of the question(s)/answer(s) therein are incorrect, the procedure as prescribed in above Railway Board's letter dated: 09.06.2011 will be adopted only for those candidates who have attempted that/those incorrect question or questions with wrong answer(s). This will be applicable to question paper(s) involving optional question(s).

**10) The tentative Programme is as under: -**

S.	Description	Tentative Date
01	Date of issue of notification	17.01.2024
02	Date by which willingness to be submitted to Depot In charges	16.02.2024
03	Date of submission of willingness received at Depot to be forwarded by the Depot In charge to this Office in one lot.	20.02.2024
04	Date of publication of eligibility list after scrutiny of Applications received.	29.02.2024
05	Pre- promotional Training to SC/ST employees. Ref:- RB's Lr.No.88.E(SCT)I/42/2 dtd.11.01.1991	04.03.2024 to 28.03.2024
07	Date of Written Test	03.04.2024 at DRM Office, SUR at 09.30 AM.
07	Date of result of written test.	20.04.2024
08	Date of publication of panel	02.05.2024

It is to be advised to the staff that they should be in readiness to appear for the examination on the dates indicated above.

**11) Procedure for panel :-** In terms of Borads Lr.No.E (NG) I-2008/PM7/4 SLP dated 19/06/2009, the panel shall be drawn in the order of merit on aggregate marks of Professional ability and Record of Service i.e. APARs for last 03 years. Since the zone of consideration is not confined to three times the number of staff to be empanelled and candidates being called from different categories.

**12) Notify to the staff:-** In terms of Railway Boards Lr. No.E(NG)I-72/PM1/166 dated.26/06/1972, the Senior Subordinate/Supervisor concerned has to furnish a certificate that "the eligible employees were duly notified of the holding of the test and advised to submit their applications giving willingness or otherwise in writing" and forward the same to Sr.DPO/SUR.

It should be the personal responsibility of the senior Subordinate / Supervisor to complete the formality in this respect. It is further advised that any other communication received in respect of the selection should invariably be intimated to all the eligible employees. In case of non-receipt of any communication the same may be obtained from the Personnel department or from the Controlling Officer. Any laxity in this regard will be viewed seriously.

*[Handwritten signature]*

13) **Last date for submission of Applications:** - The willing and eligible volunteers has to submit their applications in prescribed Proforma to their immediate supervisors on or before **16.02.2024** who will forward the same in one bunch with a covering letter, to Sr.DPO Office/SUR on or before **20.02.2024**.


14) All SSE(Tele) should submit a certificate to this office before 31.01.2024 about giving wide publicity of the above notification.

15) The above notification is also available on web page at [cr.indianrailways.gov.in](http://cr.indianrailways.gov.in) under tab/ **About/Solapur/personnel/Notification**.

16) Incomplete applications received after the last date shall be summarily rejected.

Please acknowledge receipt

Encl: 1) Application Proforma (Annexure-'A')  
2) Syllabus (Annexure-'B')

  
(Shaikh Mastan)  
Asstt Personnel Officer (Wel)  
For Sr.Divisional Personnel Officer  
Solapur Division

C/- SDGM/VIG/CSTM for information please.

C/- Sr. DSTE/SUR, DSTE (Construction)/SUR, Dy.CSTE(RE)/SC for information.

C/- Ch.OS (P) Confidential section for information and necessary action, please.

C/-Divisional Secretaries of CRMS, NRMU, AISCSTREA & AIOBCREA.



**PROFORMA**

Application for selection to the post of Junior Engineer (Tele) in Level-6 Intermediate Apprentices  
20% LDCE quota in S&T Department on Solapur Division.

1	Name of the employee (In block letters).	
2	PF. No.	
3	Designation/Station	
4	Date of Birth	
5	Age as on 17.01.2024	Year      Month      Days
6	Caste	
7	Date of Initial Appointment/Station/Unit/Dept/Divn/Rly	
8	As Technician TCM Gr-III in Level 02 (GP-1900/-)	
a	Casual labour	
b	Substitute	
c	Apprentice	
d	Date of regular positing	
9	As Technician TCM Gr-II in Level 04 (GP-2400/-)	
a	Casual labour	
b	Substitute	
c	Apprentice	
d	Date of regular positing	
10	As Technician TCM Gr-I in Level 05 (GP-2800/-)	
11	As Sr. Technician TCM in Level 06 (GP-4200/-)	
12	Total length of regular service in Technician-III and above	Year      Month      Days
13	Educational qualification (Certificate should be attached)	
14	Technical qualification (Certificate should be attached )	
15	Caste certificate should be attached.	

I have noted the terms and conditions mentioned in the notification No. SUR/P/S&T/Sele./JE(Tele)/20% LDCE.quota Date:- 17.01.2024 and understood the same and I hereby declare that if I am selected as junior Engineer (Tele) in Level-6 (GP.4200/-) then I am not eligible for repatriation to original cadre/post. The above information is correct to my knowledge and belief. I understand that. If at any stage it is found that the information furnished is false or incorrect or I do not satisfy/fulfil the eligibility criteria, my candidature/appointment on promotion is liable to be cancelled/terminated at any time without notice. Besides Disciplinary action as per rule.

Station:.....

Signature:.....

Date:.....

Name of employee:.....

Designation:.....

Office:.....

Memo No:.....

Date:.....

Forwarded to DRM (P) S&T Section/SUR. The information given by the employee have been verified and found correct.

Date:.....

Office Seal &amp; Stamp.

Signature of Depot in charge

Name of Supervisor \_\_\_\_\_

Desig/Station \_\_\_\_\_

## Syllabus for JE (Tele) Exam

SN	Topic	Description
1	Basic concepts	Basic concepts of Railway Telecommunication, Telecommunication Manual.
2	Land communications Line	Parameters, trenching, laying, jointing, termination of quad cables, testing, Faults, Localization and remedies in 4 quad/ 6 quad cables, block working, LC gate communication & emergency communication maintenance schedules and Periodical tests.
3	Optic Communication system Fiber	OFC system, Principles of working (PDH & SDH), OFC Channel testing, Ring protection and NMS. Construction details of Fibres and OFC, Laying details, Splicing.
4	Cable	Tele cabling, characteristics of Tele cables, Cable laying, Parameters, Loading coils, Condenser joints, Balancing of cables, Testing, Cable faults, Localization, Rectification, Annual maintenance of cables in RE and Non-RE areas.
5	Train traffic control	DTMF Signaling, control office setup at HQ, different controls like TC, Dy. TC, TPC, TLC, SM's control working at way station, DTMF Equipment 2W, 4W, 2W/4W combination, control testing, radio patching, HQ and divisional telecom test room earthing, Lightning protection.
6	VHF/Satellite systems/ Mobile	Communication propagation methods, types of aerials antenna, feeder/coaxial cable/connectors for 25Watts & 5 Watt VHF sets including power supply, uses, installation, programming, testing & maintenance of VHF sets, limitations of VHF. VSAT, Hub earth station, space link, remote earth station, interface equipment, network control centre, bandwidth management, satellite block diagram, network component details- hub configuration, remote configuration, remote indoor unit, INMARSAT Satellite, Mobile communication.
7	Power Plant practice	Types of batteries, FCBC, SMPS chargers, Battery charging, installation Maintenance practices.
8	Computer basics	Basic computer concepts, notebook computers (laptop computer), Personal Digital Assistant (PDA, known as Palmtop computer), desktop computers (PCs), Work Stations, Servers and supercomputers. Memory, peripherals including mouse, printers, interfaces, disks, drives, controllers, USB ports, power supply, operating system concepts-- single user/multi user, GUI & application software. Web page concept, internet, worldwide web, e-mail and multimedia.
9	Data Networks	Types of networks, Network topologies, IP & non-IP based networks, NIC, hubs, nodes, clients, gateways, Routers, switches, modems, ISDN, DSLs, connectors/ adapters, data cables. Installation, commissioning and maintenance of datacom equipment in various LAN, WAN networks like Railnet, internet (TCP-IP), data loggers, FOIS, COIS/ICMS, CMS, COA, MIS, IREPS, PRIME, VSAT, PRS, UTS etc., bandwidth requirements, broadband, path protections, standards, scalability, IP addressing, IP planning, network/ sub-network masking, data security & encryption levels, software, firewall, intrusion detection & protection, convergence, traffic monitoring, BER, jitter, wander measurements testing of data channels of 2Mbps & 64kbps speed telnet, HTTP, FTP, maintenance using NMS and Do's & Don't's.



10	Accident Communication	List of equipment in ART, testing, provision of accident/disaster management communication arrangements at site, divisional control room & Zonal HQ control room, Maintenance & inspection of ART equipment, Information to public.
11	Auto Telephony and Electronic Telephone Exchanges	Auto Telephone Systems, SPC, PCM-TDM principles Electronic Telephone Exchanges, speech, voice, data communications, signaling types, ISDN, WLL, Trunk Boards, Telephone traffic and dealing with telephone traffic at peak and slack hour working, system requirements, MDF/ IDF wiring, cabling, power plant and protections, maintenance and repairs.

## Question Bank for JE(Tele)

- 1 Transmission loss of optical fiber at a wavelength of 1310 nm is about 0.35 dB/Km.
- 2 With reference to OFC Mode-Field Diameter (MFD) defined as the size of the power distribution
- 3 Transmission loss of optical fiber at a wavelength of 1550 nm is about 0.25 dB/Km.
- 4 The main drawback of optical fiber as a communication medium is that tapping is difficult
- 5 Optical fibers accept unipolar signals only.
- 6 Mode is an available distribution of electromagnetic field in a plane transverse to the direction of light propagation.
- 7 A mode for which the field components in the direction of propagation are small compared to components perpendicular to that direction is called linearly polarized mode
- 8 Multimode fiber is best designed for shorter- transmission distances.
- 9 The disparity between the arrival times of different light rays at the output of a fiber while traveling through the fiber is known as Dispersion.
- 10 In graded index fiber dispersion is reduced due to variation of refractive index in the Core of the fiber.
- 11 Passenger Amenities to be provided at stations are decided by Railway Board.
- 12 \_\_\_\_\_ are provided at a station for security purpose. (CCTV cameras)
- 13 One of the System that provide information at Passenger end is \_\_\_\_\_: Internet
- 14 LED based electronic Display boards are non interactive information systems
- 15 Touch screen systems are also called as Passenger operated enquiry terminal (POET).
- 16 Digital video recorder (DVR) is used in Analog based CCTV surveillance system.
- 17 Redundant Array of independent disks used in IP based CCTV Surveillance system has the storage capacity in Tera bits.
- 18 In the Resistive touch screen location of the touch is determined by Voltage change
- 19 Network video recorders are used in - IP based CCTV surveillance system
- 20 Touch screens are used as Input Devices
- 21 ATVM machine are networked using \_\_\_\_\_ network. UTN (Unified ticketing Network).
- 22 Electronic Reservation Chart is displayed through LCD monitors
- 23 Class B SPDs are to be provided between- Neutral & earth and R/Y/B phase & neutral
- 24 In RE area Emergency Control HQ equipment is provided with Traction Power Controller
- 25 Maximum no. of way station codes available in DTMF system.-99
- 26 No. of tones used in DTMF system. 08
- 27 Emergency control sockets are provided on rail posts at approx. 01km intervals.
- 28 Type of signaling system suitable for control circuits is DTMF
- 29 Railway control communication circuits are of Omnibus --type circuits.
- 30 Nominal range of output signal from DTMF equipments at control office is 0 to -7dBm.
- 31 In addition to Control telephone a DTMF Decoder - is also required at way stations.
- 32 Characteristic impedance of a 4/6 quad cable is \_\_\_\_\_. (470 ohms)
- 33 CRE, TRE, LTE, TWA, RPE & MTWE are equipments associated with:  
a) Railnet, b) UTN network, c) COA, d) Control communication
- 34 In graded index fiber the refractive index of the core varies following the parabolic rule upto the core cladding interface and then remains constant throughout the cladding.-(True)
- 35 The number of modes that can propagate in fiber is a function of numerical aperture, core diameter and wavelength of light.-(True)



- 36 The total length of the conductors used on either side of class B or class C protection SPD should be less than 50 cm.—True
- 37 The potential difference between grounded metallic structure and a point on the earthing surface is known as TOUCH voltage.—True
- 38 TWA is used where MTWE is provided —(False)
- 39 In telecom installations acceptable earth resistance value at bus bar is more than one ohm-(False)
- 40 Main purpose of earthing is to provide nearly zero or absolute earth potential.—True
- 41 Call Centre is the system providing train related information to the passengers – (True).
- 42 Even though the earth is a bad conductor, the reason for choosing earth as a protective means is that it provides ideal equipotential surface.—True
- 43 Ground plane antenna are used for ( A )  
A) VHF B) UHF C) MW D) HF
- 44 A Byte is a string of - - - Bits ( B )  
(A) 16 (B) 8 (C) 2 (D) 4
- What is ISDN? (D)  
45 A) Integrated Services Data Network. (B) Internal services digital network. (C) International services data networks. (D) Integrated services digital network
- For making outgoing calls, what is the tone heard when the telephone handset is lifted (B)  
46 (A) Busy tone (B) Dial tone (C) No tone (D) Ring back tone
- What is the maximum limit of earth resistance for Telecom equipment (D)  
47 (A) 10 ohms (B) 5 ohms (C) 2 ohms (D) 1 ohm
- What are the materials used to prepare an efficient earth for telecom equipment (A)  
48 (A) coke, crushed coal and common salt. (B) plastic waste, thermo coal and glass pieces (C) wood saw dust, white cement and asbestos powder (D) wax, petroleum jelly and castor oil
- To increase the ampere hour capacity of secondary cells, the cells are to be connected in (B)  
49 (A) Series (B) Parallel (C) Series and Parallel (D) One above the other
- Inverter convert (B)  
50 (A) AC to DC (B) DC to AC (C) DC to DC (D) AC to AC
- For converting 2 wire to 4 wire the following is required (C)  
51 (A) Low pass filter (B) High Pass filter (C) Hybrid (D) All these
- The characteristic impedance of PET quad pair is ————— ( B )  
52 (A) 600 Ohms (B) 470 Ohms (C) 1120 Ohms (D) 75 Ohms
- Loud Speakers are always connected in parallel on (C)  
53 (A) Voltage Matching (B) Impedance Matching (C) Both of them (D) None of them
- Railnet is \_\_\_\_\_ type of network. (Intranet, Internet, Localnet, Hypernet)  
54
- The IP used in Railnet are Public IP. (False)  
55
- IP based CCTV cameras utilize the power from \_\_\_\_\_ type of switches. (PoE)  
56
- Keyboard/Mouse are connected through \_\_\_\_\_ port in desktop PC. (USB)  
57
- Network printer are connected through \_\_\_\_\_ port. (LAN)  
58
- IREPS, IRWCMS, IRPSM, UTN network servers are maintained by \_\_\_\_\_. (CRIS)  
59
- COA, ICMS, CMS, TMS & RMS applications are integral modules of \_\_\_\_\_ network. (FOIS)  
60
- e-Office, Email & SPARROW services are provided by \_\_\_\_\_ to the Railways. (NIC)  
61
- An equipment connected to a LAN network can be wired to max distance of \_\_\_\_\_ meters. (100)  
62

- 63 Wi-fi equipments work in 3.4 Ghz band. (False) (2.4/5 GHz)
- 64 Types of ART van are \_\_\_\_\_. (A-class, B-class & Road ART)
- 65 Spot frequency for common channel is \_\_\_\_\_ MHz. (160.400)
- 66 Frequency range of VHF sets being used in Indian Railways \_\_\_\_\_. (146-174 MHz)
- 67 Cellphones are standard equipments of ART/ARME/Road ART. (True)
- 68 The average disposal time to close a passenger complaint on Railmadad portal should be limited to 30 Minutes.
- 69 Compliants for provision of coach guidance board at station pertains to S&T. (False) (Commercial)
- 70 Plan head -53 deals with provision of communication facility in Railways. (False) (PH-33)
- 71 Store indents are placed in iMMS portal. (False) (UDM)
- 72 Store record are to be maintained manually in DMTR, & ledgers. (False)
- 73 Measurement Book (MB) are records to be maintained while execution of work contract. (True)
- 74 Working Voltage for STM & PD Mux equipments is \_\_\_\_\_.  
[a) -48VDC, b) -24VDC, c) -12VDC, d) +24VDC]
- 75 Battery capacity of 5W VHF set is \_\_\_\_\_.  
a) 5000 mah, b) 750 mah, c) 850 mah d) 2300 mah
- 76 FRBC battery chargers are equiped with n+1 or n+2 SMRs, the value of n is  
a) 1, b) 2, c) 3, d) 0
- 77 Test equipment required to measure cable attenuation is \_\_\_\_\_. (TMS set)
- 78 Test equipment required to measure low insulation in UG cables is \_\_\_\_\_. (Megger)
- 79 The equipment used to measure AC/DC voltage, resistance, current in a circuit is \_\_\_\_\_.  
(Multimeter)
- 80 Standard Specific gravity of a charged lead acid cell is-  
a) 1180, b) 1240, c) 1280, d) 1310
- 81 A class lighting arrestors are used in -  
a) Power plant equipments, b) VHF equipment, c) High rise tower/Buildings, d) All of these
- 82 Tata communication is the sole supplier of sattelite communications in India. (False) (BSNL)
- 83 Satellite phone are equipment required in the ART/ SPART. (True)
- 84 VPN integrates the various service in the LAN infrastructure. (True)
- 85 S1313 is the requisition for indenting stock items from store department. (False) (1302)
- 86 The IP being used in Railways are class \_\_\_\_\_ IP. (Class A- Private)
- 87 Type of connectors required for connecting ethernet port to LAN network.  
a) RJ-12, b) RJ-11, c) RJ-18, d) RJ-45
- 88 Which of the following are cloud storage:  
a) Google drive, b) dropbox, c) One drive, d) All of these
- 89 Proxy servers are used to filter services on the local network. (True)
- 90 The busbar used for earthing connection being provided in the equipment room is -  
a) Aluminum, b) MS iron, c) Copper, d) GI
- 91 Maintenance schedule for EC socket testing by sectional Technician is -  
a) once in a week, b) once in a month, c) once in a quarter, d) once in fortnight
- 92 STD code of Solapur division on Railways own telephone network.  
a) 014, b) 51, c) 55, d) 54
- 93 CUG services for Indian Railways are provided by :  
a) Jio & Vodaphone, b) Airtel & Vodaphone, c) Jio & Airtel, d) All of the them



- 94 On which date Part XVII of the Constitution was passed in Parliament? (A) 14.9.1949 (B) 14.08.1949 (C) 14.10.49 (D) 14.08.1950.
- 95 What are all the three regions as classified under Official Language Rules? (B) (A) X, Y, Z (B) A, B, C (C) A1, A, B (D) None of these
- 96 According to Official Languages Rules, Andaman & Nicobar Islands fall under which region? (A) (A) C (B) D (C) A (D) B
- 97 Which is the elementary Hindi course prescribed for Central Govt. employees? (D) (A) Rajbhasha (B) Praveen (C) Pragya (D) Prabodh
- 98 What is the order in which station announcements are to be made? (C) (A) Regional & Hindi (B) Hindi & English (C) Regional, Hindi & English (D) Hindi, English & Regional
- 99 Number of PTOs eligible by Railway servant in a calendar year are. (C) (A) 1 (B) 3 (C) 4 (D) 6
- 100 Joining time eligible when the distance is below 1000 KM is: (A) (A) 10 days (B) 12 days (C) 15 days (D) Nil.

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