

Government of India
Ministry of Communication
Department of Telecommunication
National Telecommunication Institute for Policy Research, Innovation & Training
ALTTC Campus, Ghaziabad-201002
(Examination Cell)

No. 1-4/2021-NTIEC

Dated: 24.06.2021

NOTICE

Professional Examination & Hindi Test for ADEsT of ITS Gp 'A'


Undersigned is, hereby, directed to inform that the above-mentioned examinations are scheduled to be held at NTIPRIT Ghaziabad as under:

Paper	Subject	Schedule		Eligibility
		Date	Time	
I	Technical Subject (Without Books)	Tuesday, October 05, 2021	10.00 am to 01.00 pm	ADEsT of ITS Gp 'A' having completed their probation successfully
II	Administrative Subject (With Code Books)	Wednesday, October 06, 2021	10.00 am to 01.00 pm	
III	Hindi Test (Written)	Thursday October 07, 2021	10:00 am to 12:00 noon	ADEsT of ITS Gp 'A' having completed their
IV	Hindi Test (Oral)	Thursday October 07, 2021	02:00 pm onwards	Hindi Raj Bhasha Module successfully

- It is requested to appraise all concerned of this advance notification and schedule of the examination. Applications are called for immediately from the eligible candidates as per the application proforma enclosed at Annexure-A. Syllabus and other conditions are laid down in the Annexure-B, C & D.
- ADEsT who have successfully completed their probation **on or before 17.09.2021**, duly certified by the competent authority, only will be permitted to appear in the Professional Examination.
- ADEsT who have successfully completed their **Hindi Raj Bhasha Module on or before 17.09.2021**, duly certified by the competent authority, only will be permitted to appear in the Hindi Test.

5. The following criteria is also brought to the notice of candidate(s): -
- There shall be a maximum of three numbers of attempts to qualify the Professional Examination.
 - Minimum qualifying marks in each paper of Professional Examination for Schedule Caste/ Schedule Tribe category officers will be 33% and for officers of other categories it will be 50% in each paper.
 - The minimum qualifying marks in Hindi Test will be 40% (in the aggregate of both written and oral test) for all category officers.
6. ADEsT are requested to go through the Appendix 37 of P&T Manual Vol-IV enclosed as Annexure E.
7. The duly filled applications along with Hall Permit proforma (in duplicate) must reach through proper channel by 27.09.2021 to

Assistant Director General
Examination Cell
Room No. 500A, NTIPRIT
5th Floor, Admin Building
ALTTC Campus, Ghaziabad (UP) – 201002.


(Dharmendra Yadav)
Controller of Exam,
NTIPRIT

Encl. As above

Copy To:

- DG Telecom, DoT HQ, Sanchar Bhawan, 20, Ashoka Road, New Delhi – 110001.
- Sr. DDG (TEC), K.L. Bhawan, Janpath, New Delhi- 110001.
- Deputy Director General (Establishment), Department of Telecom, Sanchar Bhawan, 20, Ashoka Road, New Delhi – 110001.
- Deputy Director General (Training), Department of Telecom, Sanchar Bhawan, 20, Ashoka Road, New Delhi – 110001.
- Deputy Director General (Pers.), Department of Telecom, Sanchar Bhawan, 20, Ashoka Road, New Delhi – 110001.
- Heads of LSAs
- All DDGs NTIPRIT
- Director (IT), DoT HQ with a request to kindly upload the notice on DoT Website.
- Director (ICT) NTIPRIT with a request to kindly upload the notice on NTIPRIT website.

Annexure- A

Application Form for appearing in the Professional Examination & Hindi Test 2021 for Assistant Divisional Engineers Telecom to be held in October 2021

1. Name (in BLOCK Letters) :

2. Designation :

3. Staff No. :

4. Contact Details (Ph/Mob) :

(Email) :

5. Year of Recruitment :

6. Date of Appointment :

7. Date of completion of :

Mandatory Probationary Training/ Raj-Bbhasha Module

8. Name of Controlling Officer:

Designation :

Office Address :

Tel: _____ Fax: _____ Mobile: _____

9. Applying for the Examination : Professional Exam / Hindi Test / Both

10. If exempted from appearing in any paper, provide following details:

Paper	Roll No	Month & Year of the examination
i _____	_____	_____
ii _____	_____	_____

11. Whether belongs to SC/ST : SC ST N/A

12. Signature of the applicant :

Date:

Place:

Signature and photograph of the officer has been attested and application is being forwarded.

Signature of Controlling Authority (Director or above) with stamp and date

Hall Permit (To be filled in duplicate)

**Professional Examination & Hindi Test 2021 for
Assistant Divisional Engineers Telecom to be held in October 2021**

For Office use only
Eligible for Professional Examination : Yes/ No
Exemption from any paper :
Roll Number Allotted :
Examination Centre : NTIPRIT, Ghaziabad

Affix recent passport sized photograph (Not to be attested)
--

S.N.	Date	Timings	Paper/Session	Subject	Signature of the candidate (in presence of invigilator)	Signature of the invigilator

Sl. No. 1 to 4 below, to be filled by the candidate as per the details given in the application form

1. Name (in BLOCK Letters) :

2. Designation :

3. Staff No. :

4. Name of Controlling Officer:

Designation :

Office Address :

Tel: _____ Fax: _____ Mobile: _____

Note: The Hall Permit shall be collected from the candidate by the invigilator after completion of the last examination.

Hall Permit (To be filled in duplicate)

**Professional Examination & Hindi Test 2021 for
Assistant Divisional Engineers Telecom to be held in October 2021**

For Office use only
Eligible for Professional Examination : Yes/ No
Exemption from any paper :
Roll Number Allotted :
Examination Centre : NTIPRIT, Ghaziabad

Affix recent passport sized photograph (Not to be attested)
--

S.N.	Date	Timings	Paper/Session	Subject	Signature of the candidate (in presence of invigilator)	Signature of the invigilator

Sl. No. 1 to 4 below, to be filled by the candidate as per the details given in the application form

5. Name (in BLOCK Letters) :

6. Designation :

7. Staff No. :

8. Name of Controlling Officer:

Designation :

Office Address :

Tel: _____ Fax: _____ Mobile: _____

Note: The Hall Permit shall be collected from the candidate by the invigilator after completion of the last examination.

Syllabus for Administrative Subject under Professional Examination for ADEsT
(Corresponding to revised syllabus for ITS-2018 & onward batches)

1. ADMINISTRATION AND ESTABLISHMENT

- Tendering
- Work Estimates, Expenditure and Accounting
- Arbitration
- Delegation of Financial Powers Rules
- General Financial Rules
- P&T Financial Handbooks- Rules
- Control of Expenditure
- DGS&D Procedure
- Right to Information Act
- General Rules and Regulations reg. Establishment
- Staff Establishment, Appointment and Training
- Promotions, DPC
- Office Inspections and Audit
- Role & Function of CAT
- Rules relating to Unions & Associations
- Fundamental Rules and Supplementary Rules (FR & SR)
- Pay and Allowances
- Leave Rules
- LTC Rules
- Terminal Benefits and Pension Rules
- CGHS and CS (MA) Rules
- Annual Performance Appraisal Reports
- Income Tax

2. VIGILANCE AND DISCIPLINARY PROCEEDINGS

- CCS (Conduct) Rules 1964
- CCS (CCA) Rules 1965
- Constitutional Provisions
- Principles of Natural Justice
- Disciplinary Proceedings
- Suspension
- Prevention of Corruption Act 1988
- Role of CVC and CBI

3. INTRODUCTION TO IMPORTANT ACTS

- Right to Information Act 2005
- Disaster Management Act 2005
- Consumer Protection Act 1986
- Companies Act 2013
- Competition Act 2002

- Gender Sensitization and the sexual harassment of women at workplace (Prevention Prohibition and Redressal) Act 2013.
- Environment Protection Act 1986

4. PROCUREMENT OF GOODS AND SERVICES

- Concepts of material management.
- Public Procurement rules and guidelines
- Tendering concepts including e-tendering, Reverse Auction
- Government e- Marketplace
- International Best Practices in Public Procurement
- Goods and Services Tax (GST) Law and Rules covering its implementation, compliance and enforcement.
- Competition Issues in Public Procurement
- Public Financial Management System
- General Financial Rules
- Preparation of “Request for Proposal” document and consultant hiring etc.

5. OFFICE PROCEDURES AND NOTING & DRAFTING

- Application of Functional approach to Noting.
- Drafting Official Communication in any given situation
- Central Secretariat Manual of Office Procedures
- Preparation of Cabinet Note
- Case studies- Discussion on actual problems faced in dealing with specific cases.
- Standing Finance Committee/ Expenditure Finance Committee
- Inter-Ministerial Official Communication

6. DOT FUNCTIONS

6.1 LSA Functions

- Security Functions
- Technology Functions
- Rural Functions
- Service Compliance Functions

6.2 Licensing Functions

- Indian Telegraph Act, 1885 and Amendments
- Other Telecom Acts and Rules
- Concept of License, Drafting and Approval procedure
- Existing Licenses (Access Services, Data Services, Carrier Services and others)
- Unified License Regime
- Policy and Procedure for Grant of Licenses

6.3 Wireless Planning & Spectrum Management

- Role and Functions of Wireless Planning Cell (WPC)
- Indian Wireless Telegraphy Act, 1933
- Coordination and Standardization Interface with ITU
- Standing Advisory Committee on Radio Frequency Allocation (SACFA)
- Wireless Monitoring Organization

6.4 Universal Service Obligation Fund (USOF)

- Background of USO Fund: Need and International Scenario
- USO Act and Rules
- USO Fund Organizational Setup
- Activities of USO (Streams) and Achievements thereof
- USO Subsidy Model for Net Cost, Capital Recovery, Operating Expenses and Revenue
- Role of CCAs

6.5 Legal Framework of Information and Communication Technology

- Indian Telegraph Act 1885
- Indian Wireless Telegraphy Act 1933
- Telecom Regulatory Authority of India Act 1997
- Cable Television Networks (Regulation) Act 1995
- Information Technology Act 2000
- Allocation of Business Rules
- Functions of Telecom Commission
- Post & Telegraph Volumes etc.

6.6 Standardization, Testing and Certification functions in Telecom

- Organizational setup of TEC
- Preparation of Generic Requirements (GRs), Interface Requirements (IRs), Service Requirements (SRs), Standards (SD), Essential Requirements (ERs)
- Mandatory Testing and Certification of Telecom Equipment's
- Study paper and White paper
- System for providing Technical advice to DoT
- Voluntary Testing & certification of Telecom Equipment
- Validation testing of telecom equipment
- Concept of National Working Group (NWG)
- Functioning of ITU and ITU study groups
- Conformity Assessment Body (CAB)
- Mutual Recognition Assessment (MRA)

6.7 Public Policy Formulation

- Concepts and Theories: Public Policy and Policy Processes.
- Institutions
- Policy Process: Formulation of policies and Role of various stakeholders in it's formulation
- Policy Process: Implementation of policies
- Nature of Indian State and Policy Making in India

- Policy Change and its agents

7. REGULATION IN INFORMATION AND COMMUNICATION TECHNOLOGY DOMAIN

- Organizational setup of TRAI
- Regulations
- Directions to Telecom service providers
- Tariff Orders
- Quality of Service Audit/Survey
- Performance Indicator reports
- Process of consultation
- TRAI Act 1997, Cable Television Networks (Regulation) Act 1995 etc.
- Key TRAI Recommendations

8. DISPUTE SETTLEMENT AND COMPETITION ISSUES IN TELECOM

- Organisational setup of TDSAT
- Functions of TDSAT
- Competition Act 2002
- Organisational setup of Competition Commission of India
- Functions of Competition Commission of India
- Evolution of Competition Law and Market Regulation in India
- Anti- Competitive Agreements in Regulated Sectors
- International Best Practices addressing Intellectual Property
- Investigation and Procedural Techniques

9. Finance for Non-Finance Officers

- Fiscal Policy and Macroeconomic Management
- Concept of auction of natural resources like spectrum etc.
- Public Finance, Fiscal Federalism
- Public Financial Management System
- Public Expenditure and Budget related aspects etc.
- Components of Financial Statements
- Parliamentary Financial Committees
- Contract Management
- Financial Projects through Public Private Partnership (PPP) mode
- The Principles and Philosophy of Government Audit : Role of C&AG, Constitutional provisions governing the institution of the C&AG,
- Role of Government in stabilizing macro economy: Foreign Trade Policy, Foreign Direct Investments.

**List of Codebooks and Reference Documents/ Manuals
to be used for Answering the Questions in the Administrative Subject Paper**

- CCS (CCA) Rules 1965
- CCS (Conduct) Rules 1964
- CCS (Pension) Rules
- CCS (LTC) Rules 1988
- CCS (RSA) Rules 1993
- CGHS Rules and CS (MA) Rules
- FR & SR - All Parts
- Guidelines and Rulings on APAR of Govt. Employees
- General Financial Rules
- Delegation of Financial Power Rules
- P&T Financial Handbook - Vol. 1 & III
- RTI Act 2005
- Prevention of Corruption Act 1988
- Administrative Tribunals Act 1985
- Telecom/ Telegraph Acts and Rules including Amendments, Licenses and Guidelines to TERM Cells.

NOTE:

- i The examinees shall have to arrange and bring the Codebooks and Reference Documents/ Manuals with them, as these will not be supplied by the Department in the examination hall.
- ii The printed copies of online-available prescribed Codebooks and Reference Documents/ Manuals, as well as their photocopies, are also allowed to be used during the examination.
- iii Handwritten notes and/ or browsing of the Reference Material on mobiles/ tablets/ laptops shall not be allowed.
- iv The Codebooks and Reference Documents/ Manuals should not contain any hand written or typed notes.

Syllabus for Technical Subject under Professional Examination for ADEsT (Corresponding to revised syllabus for ITS-2018 & onward batches)

1. SWITCHING

1.1 PSTN Switching

- Speech Signal Processing & PCM principles
- PSTN: Overview and Architecture
- PSTN: Access Network, Components and Management
- Digital Switching Concepts
- Digital Signaling Concepts - CAS; CCS#7
- Traffic Theory and Traffic Engineering
- IN, ISDN Concepts, Services and Applications
- Supplementary Services in PSTN
- NMS & Billing System for PSTN
- National Numbering Plan, International Routing concepts
- Introduction to PSTN NT Switches — OCB -283 and EWSD
- EWSD/OCB Switch - Functional Architecture & Units
- Junction Management in the POI Scenario
- Traffic Reports & Analysis

1.2 Telecom Infrastructure

a. Power supply arrangements for Telecom Systems

- Power Plant Systems - Conventional and SMPS
- Indoor/ Outdoor Power Plants in Wireless Networks
- Storage Batteries and VRLA Battery
- UPS and Inverters

b. Electrical Installations

- General Introduction to Electrical Infrastructure in Telecom Exchange Buildings (E/A, Lighting, Lifts, Electrical Installations etc.)
- Air Conditioning - Requirements and Different Systems
- Earthing Types and Methodologies and Lightning Protection
- Fire Detection and Fire-Fighting
- BEE Standards for Electrical Installations, Energy Conservation and Energy Auditing

c. Green Technologies

- TRAI Guidelines, Alternative Energy Sources etc.

d. Civil Construction and Maintenance Aspects in Telecom Buildings

- Telecom Buildings - Types of Buildings - Norms
- Civil Infrastructure in Telephone Exchange Buildings
- Towers - GTT, RTT, RTP, Wall Mounted etc.

- Smart Buildings - Concepts
- Water Conservation and Water Harvesting

2. TRANSMISSION

2.1 Optical Communication

- Introduction to Fibre Optics
- Types of Optical Fibre Cables & Constructions
- OF Cable Splicing Theory and Techniques
- Survey & Link Engineering
- OF Cable Laying Techniques & Practices
- Testing and Measuring Instruments
- Concepts of PDH
- Introduction to SDH
- SDH Multiplexing
- SDH Network Elements and Topologies
- Protection in SDH
- SDH Networks Management System
- SDH Measurements and Performance Parameters
- Synchronization and Timing Principles
- Synchronization of SDH Networks
- SDH over Radio
- Next-Generation SDH
- MSPP
- Overview of DWDM
- DWDM Components and EDFA
- DWDM System Engineering and Planning
- Optimal Transport Network/ All Optical Network
- Digital Cross-Connect (DXC)
- Fibre in Local loop, FTTH
- Passive Optical Networks - GPON, GEAPON
- Free-Space Optics
- Submarine Cable System

2.2 Radio Communication

- Overview of Microwave and Microwave System Configuration
- Microwave Antennas and Waveguides
- Site Selection Criteria and Guidelines
- Installation of Antenna & Waveguides, Equipment Installation
- Link Engineering and Performance Objectives
- Frequency Plans of Digital Microwave Systems.
- Digital Microwave Measurements.
- IP-based Microwave Systems

- Digital Modulation Schemes
- 6 GHz, 7 GHz, 13 GHz Systems
- Mini-Links for BTS Sites
- SACFA Clearance
- EMF Radiation: Theory and Measurement Aspects
- Measuring Instruments and Field Measurements
- SAR

2.3 Satellite Communication

- Overview of Satellite Communications
- Equipment Configuration of a Satellite Earth Station
- Installation of Earth Station Antennas viz. 11 M Antenna (Azimuth, Elevation, Mount)
7.5 M Antenna (x-y Mount) and 4.5 M Antenna (x-y Mount)
- High Power Amplifier and RF Multiplexers
- Principle of Low Noise Amplifier
- Principle of Echo Suppressor and Echo Cancellers
- Up/ Down Converters and Modulators/ Demodulators
- Inter-Satellite Interference/ Frequency Coordination
- NOCC and Earth Station Mandatory Tests
- Antenna Tracking and Control Equipment
- FDM-FM & MCPC/ IDR Link Engineering
- Procedures of Site Selection of Satellite Earth Stations
- Space Segment, Features of INSAT III Satellites
- Meteorological Services of INSAT
- Earth Station Maintenance and Planning
- Time Division Multiple Access Techniques, Digital Speech Interpolation Techniques
- Code Division Multiple Access Techniques and its application to Very Small Aperture Terminal (VSATs)
- Power Plant for Satellite Earth Station
- Digital Satellite Phone
- GMPCS

3. EMERGING TECHNOLOGIES IN ICT DOMAIN

- Basics of cloud computing
- Cloud computing governance issues
- Cloud computing business models
- Basics of Artificial Intelligence (AI)
- AI systems learning techniques
- Programming platforms for AI
- AI applications in ICT
- Security & legal issues related to AI
- Basics of M2M and IoT
- Enabling technologies & protocols for IoT

- Policy and regulatory issues for IoT, IoT application
- Basics of Blockchain Technology and its importance in Governance etc.

4. MOBILE COMMUNICATIONS

4.1 GSM

- GSM/GPRS Network Architecture
- Circuit Switched Core Network of GSM: MSC, HLR, EIR etc.
- Packet Switched Core Network of GSM: SGSN, GGSN etc.
- Mobile Number Portability
- Radio Network of GSM: BSC, BTS, OMC-R etc.
- Planning, Engineering, Designing Principles of GSM RF Network
- Antenna Systems, In-building solution etc.
- Applications/ Value Added Services in GSM/ GPRS: IN, SMSC USSD, IN, LBS, LBA, MMSC, Instant Messaging, Presence Service, Push to Talk, CRBT, OTA, GSM PBX etc.
- Advancements in GSM Technology: Evolved EDGE, VAMOS, Abis over IP, Disaster Recovery for HLR, IN
- SIM: Comp-128, H/W, File structure, Applications, ME-SIM Interface, PKI related aspects
- GSM Mobile end user Devices: Components, H/W, S/W, CODEC, Encryption, Modem, MSC, UART, Battery etc.
- Lawful Interception in GSM Mobile Networks
- Coverage Testing for Roll out Obligation
- Drive Test Tools, Planning Tools, Post Processing Tools
- Billing Support System: CDR Generation & Collection Nodes, CDR Processing and Analysis
- Operation Support System: Traffic Report Analysis
- SACFA Related Issues: Measurement of BTS Power, Antenna Height Measurement, Lat-Long Measurement
- Infrastructure Sharing issues
- IMEI and related issues

4.2 CDMA Technologies

(CDMA Family of Technologies - CDMA2000 1x, CDMA2000 EVDO etc.)

- CDMA Network Architecture
- Circuit Switched Core Network of CDMA: MSC, HLR etc.
- Packet Switched Core Network of CDMA: PDSN, Home Agent, Foreign Agent
- Radio Network of CDMA: BSC, BTS, Coverage, OMC-R
- Planning, Engineering and Designing Principles of CDMA RF Network
- Applications/ Value Added Services in CDMA: SMSC, IN, LBS, LBA, MMSC, CRBT, PTT, OTAP
- CSIM: Security Algorithm, Applications, H/W etc.
- Evolution of CDMA: EVDO etc.

- Lawful Interception in CDMA Networks
- Mobile Number Portability

4.3 UMTS

- UMTS Network Architecture
- Circuit Switched Core Network of UMTS: MSC-S, Media Gateway, HSS, MSC-Server, IMS etc.
- Fixed Mobile Convergence
- Packet Switched Core Network of UMTS: 3G SGSN, GGSN
- Radio Network of UMTS: RAN, Node-B, RNC
- UMTS-HSPA, Evolved HSPA, VoIP over HSPA
- RF Network Planning, Designing, Engineering and Optimization Principles
- Applications/ Value Added Services in UMTS: Video Telephony, Video Streaming, Mobile to PSTN Multi-Media Call
- UMTS Security: Security Algorithms, Authentication, Encryption, UICC, USAT, USIM, ISIM
- Lawful Interception in UMTS Networks
- Mobile Numbering Portability Process
- Coverage Testing for Roll out Obligation

4.4 Wi-Fi and Wi-Max Technologies

(IEEE Standards based Technologies such as 802.11b, 802.11g, 802.11n, Wi-Max 802.16e and Wi-Max 802.16m (4G) etc.)

- Wi-MAX Network Architecture with functions of each node
- Applications/ Services in Wi-MAX
- Wi-MAX Core Network 802.16e based
- Wi-MAX Radio Network 802.16e based
- Security Aspects in Wi-MAX Networks
- Wi-MAX Core Network 802.16m based
- Wi-MAX Radio Network 802.16m based
- Wi-Fi IEEE 802.11 b, g
- Security Aspects in Wi-Fi
- Wi-Fi Hotspot 2.0
- Coverage Testing for Roll out Obligation

4.5 LTE and LTE Advanced Technologies

- LTE Network Architecture
- Core Network of LTE: SAE/EPC, MME, Serving Gateway, PDN Gateway, PCRF, IMS etc.
- Radio Network of LTE: EUTRAN, eNodeB, Air Interface, Relays, Inter-RAT working etc.
- Self-Organized Network

- Applications/ Services in LTE: VoIP, IP-based Conferencing, VPN, Emergency Call on IP, eMBMS
- LTE and Wireless Sensor Networks, SUN
- LTE-Advanced. Developments in Release 11 & 12 of 3GPP
- End-User Devices in Wireless Networks: Mobile Handset, Dongle, OS, Applications
- Lawful Interception in Mobile Networks
- Future Networks, SDN, Network Function Virtualization
- Coverage Testing for Roll out Obligation
- Drive Test Tools, Planning Tools, Post Processing Tools
- Infrastructure Sharing issues

4.6. 5G Technologies

- Network Architecture
- Study of 5G Use Cases
- Protocols, 5G Standards
- Security Aspects related to 5G
- 5G Test Bed
- 5G Roadmap in India
- Multiple Access for 5G Radio and RAN Architecture

4.7 Emerging Wireless Technologies & Applications

- HAPS
- SRDs
- Cognitive radios
- ZigBee
- Emergency services and Mobile Networks
- Disaster Management & Mobile Networks
- Voice, SMS Spam handling in Mobile Network
- Jammers
- Principles of inter-mobile technologies interference analysis – In-Band and Adjacent Bands
- Principles of spectrum requirements forecasting
- Socio-economic Impact of Mobile services
- Linkages of Mobile Technologies, applications/ services with inclusive growth
- TRAI recommendations related to Mobile technologies/ services
- Emerging issues related to Mobile technologies/ services with respect to Licenses.

5. CYBER SECURITY

- Network Security/ Cyber Security/ Computer Security and its Attributes
- Encryption
- OS and Security
- Application Security, SQL Injection & Cross Scripting
- INTRUDER

- IDS & IPS
- Phishing and Identity Theft
- Virus, Worm, Malware, BOTNET and Recent Vulnerabilities
- Cyber Space and different kinds of Vulnerabilities
- Cyber Crime: Mobile & Wireless Security
- Cyber Crime & Cloud Computing
- Tools & Methods used in Cyber Crime: Key loggers
- Role of ITU, DoT and CERT-IN
- TCP Finite State Machine (FSM): States, Events and Transitions

6. BIG DATA ANALYTICS

- Overview of Apache Hadoop
- HDFS Concepts
- Map Reduce
- Analytics on Structured, Unstructured Data.

7. INTERNATIONAL ORGANIZATIONS OF ICT DOMAIN

- Organizational Setup of various international organisations
- Role of Department of Telecommunications as representative of India

8. LAWFUL INTERCEPTION AND MONITORING

- Licensing provisions
- TEC GRs on LIM & LIS for Mobile, Fixed, ISP, IPLC and ILD
- Centralized Monitoring System
- Concept of LEAs and Coordination Mechanism
- Introduction to Deep Packet Inspection Technologies
- Various types of Mobile Handsets and Features

9. DISASTER MANAGEMENT

- Types of Disasters
- Fundamentals of Disaster Management
- Role of Communication Technologies
- DM framework in India
- Role of DoT

Annexure- D

Syllabus for Hindi Test: Oral and Written for ADEsT

Hindi Test will comprise the following six parts:

Sl. No.	Part	Marks
i.	Dictation	15
ii.	Reading	15
iii.	Conversation	20
iv.	Translation (Hindi to English)	15
v.	Translation (English to Hindi)	15
vi.	Composition	20
Total Marks		100

Assessment:

Oral assessment of the candidates will be carried out through Part No. i, ii and iii.

Written Test will comprise of Part No. iv, v and vi of the above table.

The Officers are expected to attain a reasonable proficiency under all the above heads. They should give stress on acquainting themselves with Hindi-terms in daily use to enable them to converse with the man-in-the-street, particularly villagers. They are also expected to know the technical and other terms which would be helpful to them in their future official work.

Qualifying Marks:

The minimum qualifying marks in the Hindi test will be 40 in the aggregate (Oral+Written) irrespective of the category of the officer.

Government of India
Ministry of Communication
Department of Telecommunication
National Telecommunication Institute for Policy Research, Innovation & Training
ALTTC Campus, Ghaziabad-201002
(Examination Cell)

No. 1-4/2021-NTIEC

Dated: 24.06.2021

NOTICE

Professional Examination & Hindi Test for ADEsT of ITS Gp 'A'

Subject: Calling Volunteers for Setting Question Papers for Professional Examination (Administrative and Technical Subject) & Hindi Test and Examiners for evaluation of Answer Books for ADEsT of Indian Telecommunication Service – Regarding.

The undersigned is directed to call for the volunteers from among SAG and above level officers of Indian Telecommunications Service for setting question papers for Professional Examination (Administrative and Technical subject) & Hindi Test and for Examiners for evaluation of Answer Books, for ADEsT of Indian Telecommunication Service (JTS Group – A), to be held in October 2021 (Notification for Professional Exam enclosed).

It is requested to send willingness by the interested officers as per the proforma at **Annexure-A** by 15.07.2021 at email dir.coe-nti@gov.in or to

Assistant Director General
Examination Cell
Room No. 500A, NTIPRIT
5th Floor, Admin Building
ALTTC Campus,
Ghaziabad (UP) – 201002.

Honorarium shall be payable as per the approved rate for setting up of question papers/ evaluation of answer books and other exam related activities.

24/6/2021

(Dharmendra Yadav)
Controller of Exam
NTIPRIT

Encl. : As above

Copy To:

1. DG Telecom, DoT HQ, Sanchar Bhawan, 20, Ashoka Road, New Delhi – 110001 with the request for wide circulation of the notice among the eligible officers in DoT field units.
2. Sr. DDG (TEC), K.L. Bhawan, Janpath, New Delhi- 110001 with the request for wide circulation of the notice among the eligible officers in TEC.
3. Deputy Director General (Establishment), Department of Telecom, Sanchar Bhawan, 20, Ashoka Road, New Delhi – 110001.
4. Deputy Director General (Training), Department of Telecom, Sanchar Bhawan, 20, Ashoka Road, New Delhi – 110001.
5. Deputy Director General (Pers.), Department of Telecom, Sanchar Bhawan, 20, Ashoka Road, New Delhi – 110001.
6. Heads of LSAs
7. All DDGs NTIPRIT
8. Director (IT), DoT HQ with a request to kindly upload the notice on DoT Website.
9. Director (ICT) NTIPRIT with a request to kindly upload the notice on NTIPRIT website.

ANNEXURE A

Proforma for Volunteers as Paper Setters and Examiners for the Professional Examination for Assistant Divisional Engineers Telecom

01. Name in Block Letters : _____
02. Grade (HAG+/HAG/SAG) : _____
03. Designation : _____
04. Staff No. : _____
05. Office Address : _____

Tel. : _____ Mobile: _____

FAX : _____ Email : _____

06. Name of Controlling Officer : _____

Designation : _____

Office Address : _____

Tel. : _____ Mobile: _____

FAX : _____

07. Whether volunteered for Paper Setter/ Evaluator of Answer Books

	Exam	Paper Setter	Evaluator
a)	Technical Paper	Yes / No	Yes / No
b)	Administrative Paper	Yes / No	Yes / No
c)	Hindi Paper	Yes / No	Yes / No

Date:

Signature

Place:

APPENDIX NO. 37
Rules Relating to Departmental Examinations

PART I – GENERAL

1. *Introductory.* – The general rules and instructions governing the conduct of departmental examinations are contained in this Appendix. The Rules relating particularly to individual examinations will be found in the relevant Chapters dealing with the particular cadres concerned.

2. *Notice of examinations* – Except in cases where a departmental examination is prescribed to be held in a particular month under the rules, advance notice of a minimum period of three months should ordinarily be given for every departmental examination.

3. *Examination not to be held on holidays.* – Departmental examination should not be held on Sundays or holidays as far as possible.

NOTE – This rule is applicable only to those examinations in which the candidates are exclusively or mostly, departmental employees. It is not applicable to those examinations which are open only to outside candidates or in which such candidates are in a majority.

4. *Filling up of applications.* – All applications in connection with departmental examinations should be filled in carefully; and full and correct particulars should be furnished. If any candidate is found to have made a false or incorrect statement or to have suppressed material information, he will be considered as having used unfair means in the examination concerned and treated accordingly.

5. *Submission of applications.* – All applications in connection with departmental examinations (including those for permission to appear at an examination, or for communication or re-totalling of marks) must invariably be submitted through the proper channel.

6. *Withdrawal of candidature.* – (a) Permission to a candidate to withdraw his candidature from an examination may be granted by the same authority who had granted him the permission to appear at that examination, or by such other authority as may have been specially authorized in this behalf. The decision of such authority will be final.

(b) Withdrawal of candidature should not ordinarily be allowed unless the circumstances of the case fully justify the concession. After the assignment of roll numbers, a candidate should be allowed to withdraw his candidature only if he could not avail of the chance owing to circumstances beyond his control, and if the Head of the Circle (or any other competent authority, as the case may be) is fully satisfied about the genuineness of the case.

(c) No candidate should be allowed to withdraw his candidature after the examination except under very rare circumstances. Even when a candidate has been on

medical leave during the days of the examination, the request for withdrawal must be submitted within 10 days from the date of his return to duty. No such request submitted later should ordinarily be entertained.

6-A. Issue of Hall Permits. – Hall permits to the candidates should be issued only by the Head of the Circle or Administrative Office concerned to which the candidates actually belong. In the case of a candidate appearing at a Centre outside his jurisdiction, the Head of the parent Circle/Administrative Office should forward a copy of the hall permit to the Head of the Circle or Administrative Office, under whose control the examination is being conducted at the centre concerned, and the latter should forward it to the respective Supervising Officer, so that he may compare it, if necessary with the original permit produced by the candidate.

If, in a case of urgency, it is felt that it would be difficult to have the hall permit delivered to the candidate before the commencement of the examination, the Head of the parent Circle, District, etc., may authorise, by telegram, the Head of the Circle/Administrative office concerned to issue the hall permit to the candidate.

7. *Basis of Rules and orders for questions and answers.* – In cases, where the questions in a Question paper require the application of any Rules or orders, such Rules or orders should be taken into account as they stand three months before the date of announcement of the particular examination concerned. Amendments issued on a subsequent date should not ordinarily be taken into account, either for setting the questions or for writing answers thereto.

NOTE.- All amendments issued not less than three months before the date of announcement of an examination and notified in the Director General's Circulars are to be taken into account and not only those for which 'correction slips' have been issued in printed form.

8. *Indication of language on Question papers.* –In addition to the usual particulars and such specific directions to the candidates as may be deemed necessary, an indication should invariably be given on the top of a question paper regarding the language in which the answers are to be written by the candidates. If in any case, such an indication is inadvertently omitted, the candidates should write their answers in the same language in which the question paper has been set – except of course, where a question itself mentions the language in which the answer is required, e.g., a question on translation.

9. *Candidates to bring their own pens, pencils, etc.*- Candidates should bring their own pens, pencils, drawing instruments, and reference books (in cases where a paper is to be answered with the aid of books). The Department undertakes no responsibility to supply them with books in the examination hall.

NOTE._ In this connection, attention of the candidates is also invited to Rule 1 under Part II.

10. *Supply of ink and blotting paper.* – Arrangements for the supply of ink and blotting paper to the candidates should be made by the Head of the Circle/District concerned.

11. *Supply of answer books.* – All answer books supplied to the candidates should have a cover of a standard design, as shown in Annexure I. The name of the examination in its abbreviated form should be fixed by means of a rubber stamp. If for some reasons this is not possible, the name should be inserted by pasting a cyclostyled script, only as a last resort the name should be written in manuscript.

12. *Tabulation of results.* – The results of departmental examinations should be tabulated by or under the personal supervision of a responsible official, who will be personally responsible for their safe custody and the maintenance of strict secrecy with regard to them. Such tabulated marks should invariably be checked, in their entirety, by an officer other than the one by whom they have been entered; and no mistake or ambiguity however slight, should be allowed to creep therein.

NOTE.- The mark lists and result sheets should be treated as Secret even after the announcement of results (cf. Rules 13).

13. *Communication of marks* – (a) After the results of an examination have been announced, the mark obtained in each paper by a candidate may be communicated to him and to him alone, on application and on payment of a fee of Re.1 per examination per candidate. The marks of any other candidates should not be supplied. Application in this behalf should be submitted through the Superior Officer under whose immediate supervision the candidate works to the P&T S.S. Board/other authorities conducting the examination in the prescribed form (as shown in Annexure II). Accordingly the marks of the examination will be communicated by the P&T S.S. Board (Now Departmental Examination Section)/other authorities conducting the examination direct to that Superior Officer who will communicate the marks to the candidate concerned.

(b) The amount of Re.1 should be deposited in a Post Office and the receipt therefore enclosed along with the application. This fee will not be accepted in any other form, e.g., Cash, Postage Stamps, Money Order, Indian Postal Orders, etc. The amount should be credited to the relevant sub-division of Abstract BI-Joint Receipts – Fees and other Receipts.

(c) This rule will apply to all departmental examinations held by the Directorate or by the Circle and Administrative Offices. No fee will, however, be charged in respect of examinations held by the Divisional authorities.

(d) It is absolutely necessary that the mark lists (and tabulated result-sheets) should be treated as Confidential and handled by responsible officials only.

14. *Retotalling and Verification of marks.* – (a) If a candidate desires the retotalling of his marks and verification of the fact that all answers written by him have been duly assessed by the examiner, he should submit an application in the prescribed form (as

shown in Annexure III) and pay the prescribed fees. The fee for this purpose is Rs.5 per paper.

(b) The procedure for payment and accounting of such fees will be the same as laid down in Rule 13(b).

(c) Such applications must be submitted within six months from the date of announcement of the respective results. Any application submitted thereafter should not be entertained.

(d) The retotalling and verification of marks should be carried out by an officer other than the one who had originally valued the answer scripts concerned. No remuneration will be payable for this work.

(e) The fee paid for retotalling of marks will not be refundable in any circumstances.

NOTE-1 It must be clearly understood that the only scrutiny intended in this Rule is as shown in clause (a) viz, whether all the answers written by a candidate (provided that they are not in excess of the number required to be attempted) have been assessed, and that there is no mistake in the totalling of the marks.

NOTE-2. In cases where the results of departmental exams are published in Director General's Circular, the period of six months referred to in sub-rule (c) will be counted from the date of such a Circular.

15. *Revaluation of answer books.*- Revaluation of answer scripts is not permissible in any case or under any circumstances.

16. *Exemption.*- (a) In the rules for certain departmental examinations, there is a provision that if a candidate secures a specified percentage of marks in any subject, he will not be required to appear in that subject in a subsequent examination. It should be noted that such exemption can be availed of only in the two subsequent examinations, provided that the candidate is otherwise eligible to appear in those examinations, under the relevant rules.

(b) A candidate who, after being exempted, does not take the next one or both the examinations will be deemed to have availed of the chance or chances for this purpose. In other words, if after getting the exemption in any subject in the first chance, a candidate does not sit in the next two subsequent examinations, but avails of his second chance at the third subsequent examination, he will have to appear in all papers.

(c) The exemption from appearing in any subject granted in a particular examination would be valid for that particular examination only in which the exemption is granted, and not for any other examination. For example, an exemption secured in any subject of the P&T Accountants Service Examination will not apply to the Post Office and R.M.S. Accountants Examination or for any other departmental examination.

17. *Preservation of result sheets and answer books.* – (a) Tabulated result sheets or mark sheet registers of departmental examinations should be preserved for a period of ten years from the date of announcement of the respective results.

(b) Answer books in respect of all departmental examinations should be preserved for a period of twelve months from the date of announcement of the respective results.

18. *Treatment of candidates using unfair means.* – (a) If a departmental candidate is found guilty of impersonation, or of submitting fabricated documents or documents which have been tampered with, or of making statements which are incorrect or false, or of suppressing material information, or of using or attempting to use unfair means in the examination hall or otherwise resorting to any other irregular or improper means for obtaining admission to an examination the Supervising Officer should submit a report to the authority competent to impose the major penalties on the candidate.

(b) (i) If a departmental candidate is found to be copying from the answer papers of a neighboring candidate or from any written paper or document brought by him, or in any other way obtaining help or giving help to other candidates by irregular means, or is found to be in possession of a book which is not authorized to be used or of any written paper or document, he should be immediately expelled from the Examination hall.

(ii) Immediately after the examination in the particular paper is concluded, the Supervising Officer should record the statements of the candidate concerned and of other witnesses and of the invigilator or supervising officer, who found the candidate copying or rising other unfair means. He should also collect such other evidence as may be relevant to the consideration of the case.

(iii) The Supervising Officer will then forward his report with the statements and other evidence referred to at (ii) above to the authority competent to impose the major penalties on the candidate.

(c) On receipt of the report mentioned in (a) or (b) or from the examiner (vide rule 14 under Part IV) the disciplinary authority competent to impose major penalties on the candidate shall consider the matter and institute and finalise the disciplinary proceedings as expeditiously as possible.

(d) In all cases covered by (a) and (b) above, the Supervising Officer should submit a skeleton report showing the facts of the case to the Head of the Circle in which the candidate is working. The Head of the Circle will keep a watch over the progress of the departmental proceedings to ensure that no avoidable delay occurs in finalizing the proceedings.

(e) In respect of examinations conducted centrally by the Directorate, the Supervising Officer should also send to the Director-General a copy of his report submitted to the Head of the circle.

(f) After the conclusion of the disciplinary proceedings, the disciplinary authority should forward a complete record of the case i.e., the report of the Supervisory Officer, the statement of the candidate and of the witnesses, the charge sheet, defence, record of the oral enquiry, if any, and the punishment order to the Head of the Circle/Admn. Office concerned who will decide the question of debarring such candidates from appearing in departmental examinations in respect of the officials for whom the appointing authority as the Head of the Circle/Administrative Office or the subordinate authorities.

Pending decision of the Head of the Circle/Administrative office, the official should not be allowed to appear in any subsequent examination conducted by the department.

The powers delegated above will be exercised personally only by officers declared as Heads of Departments under SR.2 (10).

(g) If the candidate concerned is an outside i.e. he is not already an employee of the Department, the report and other documents, if any, under (a) and (b) above should be forwarded to the Director-General, who will consider the action to be taken against the candidate and pass such orders as he considers necessary.

PART II – INSTRUCTIONS FOR CANDIDATES

1. *Bringing of books etc. To the Examination Hall* – candidates should bring their own pens, pencils, etc. (as laid down in Rule 9 under Part I) into the Examination Hall. Any other books, note books etc., brought by them should be left outside the Examination Hall.

2. *Reference books should not have notes.* – In the reference books used by the candidates in the Examination Hall (where the use of books is allowed), there should be no notes or other irrelevant matter. Notes of the nature of cross references, glossary, or index of references to orders of the Government of India may be allowed, but notes of the nature of solutions to questions will not be allowed in any case.

NOTE.- “The candidates will be permitted to bring to the examination hall either Chaudri’s Compilation of the Civil Service Regulations or Swamy’s Pension Compilation of the Civil Service Regulations and Liberalised Pension Rules, at their option, in addition to the official publication on C.S.Rs., as a book of reference in the examination hall in respect of all P&T examinations in which the Civil Service Regulations and Liberalised Pension Rules have been included in the syllabus and the questions are allowed to be answered with the aid of books. The candidates will provide themselves with a copy of the above compilation at their own cost and they may use it at their own risk regarding the accuracy, completeness or upto-dateness of the publication.”

3. *What to write on answer books* – (a) The candidates should-

- (i) Write only their respective Roll Numbers and the Circle index letter, as allotted by the Head of the Circle or Office, on the top of the title page of their answer books on each subject, they should NOT write their names anywhere on or in their answer books. They will be penalized for writing the name.
- (ii) Write the subject of the Examination and other particulars on the top of the title page of their answer books;
- (iii) Write on both sides of the paper, leaving a quarter margins. The margin should be on the left hand on the front side and on the right hand on the back side;
- (iv) NOT write any irrelevant matter or anything else except the actual answers in their answer books; and

(v) NOT write anything on the question paper or on the sheet of blotting paper supplied to them.

(b) A second (third etc.,) answer book will not be supplied so long as any blank page remains unused at the end of the first (second etc.) answer book.

(c) Candidates may use, for rough notes or calculations, the inner side of the cover and, if necessary, a page or pages of the answer books. The rough notes should be crossed through afterwards.

(d) They will not use pencil in writing their answers. Pencil may, however, be used for mathematical drawings, rough work etc.

(e) They will not take any article or any book with them to their table which they are not authorised to take with them.

4. *Directions on Question papers* – The candidates should read the directions on question papers and should carefully observe them.

5. *No leaves to be torn.*- Candidates should NOT tear off any leaves from the answer books.

6. *Indication of number of answer books used.*- If a candidate uses more than one answer book, he should state, on his first answer book, the total number of books he has used and fasten all the answer books securely together. In the supplementary answer script given to a candidate (after he has used up the main answer book) the candidate will write the number of the supplementary scripts used by him.

7. *Instructions on answer book:* - The candidates should carefully read and follow the instructions on the cover of the answer book.

8. *Signal of time limits:* - A signal will be given at the beginning of the examination in each paper. A signal will also be given fifteen minutes before closing time and again at the closing time, when the candidates must stop writing or revising their answers.

9. *Handing over of answer books to Supervising Officers:*- Every candidate should hand over his answer books personally to the Supervising Officer or one of the Invigilators on duty, if he leaves before the expiry of the time for the paper.

10. *Candidates who stay till the end:* - If a candidate stays till the end, he must remain at his seat until his answer books have been collected by the Supervising Officer/Invigilator.

11. Excess answer: - If a candidate answers more questions than the number required to be attempted, only those attempted first (up to the prescribed number) will be taken into account for valuation, and the remaining answers will be ignored.

12. Candidates using unfair means: - If a candidate is found to be using or attempting to use unfair means in the examination hall, he will be treated in accordance with Rule 18 under Pt. I.

13. Instructions of the Supervising Officer: - Every candidate must obey all instructions and directions given by the Supervising Officer/Invigilator in the examination hall. If a candidate fails to do so or indulges in disorderly or improper conduct, he will render himself liable to expulsion from the examination, and in addition to such disciplinary action as may be deemed necessary.

Note:- "The candidates will be permitted to bring to the examination hall either Chaudri's Compilation or Civil Service Regulations or Swamy's Pension Compilation of the Civil Service Regulations and Liberalized Pension Rules, at their option. In addition to the official publication on C.S.Rs., as a book of reference in the examination hall in respect of all P&T examinations in which the Civil Service Regulations and Liberalized Pension Rules have been included in the syllabus and the questions are allowed to be answered with the aid of books. The candidate will provide themselves with a copy of the above compilation at their own cost and they may use it at their own risk regarding the accuracy, completeness or up-to-dateness of the publications."

14. Silence to be observed:- Silence must be observed in the Examination Hall.

15. Smoking prohibited: - Smoking in the examination hall is strictly prohibited.

PART III – INSTRUCTIONS FOR SUPERVISING OFFICERS

1. Confidential Instructions etc."- The Supervising Officers should make themselves well acquainted with these instructions and also with any other confidential instructions sent to them in connection with individual examinations and they should strictly observe them. In particular, where an acknowledgement (by post or by telegram) or any papers or documents has been asked for, they should send such acknowledgement promptly.

2. Action in emergency:-In an emergency, where it becomes essential to depart from any of the instructions, or any unforeseen situation has to be met on the spot, the Supervising Officer may act on his own discretion. He should, however, send a report forthwith to the Head of the Circle, and to the Directorate where necessary, showing the exact circumstances of the case and the action taken by him.

3. Should arrive early and complete preliminaries:- It would be necessary for the supervising officer to finalise all the arrangements in connection with examination on the day previous to the examination. The Supervising Officer should arrive at least half an hour before the commencement of the paper, and make sure that all preliminary arrangements for the examination are complete and in order.

4 (a). The Supervising Officer should ensure that suitable persons are appointed as Invigilators. One Invigilator should be allowed for every 25 candidates actually taking the examination. The Supervising Officer must obtain a certificate from each Invigilator at the commencement of the examination that no relation or dependent of his is taking the examination on that day. If on the first day of the examination it is found that the number of Invigilators appointed in excess of the prescribed number, steps should be taken to reduce the number of Invigilators as far as possible to the minimum as required under the rules. In case re-arrangement of seats becomes necessary, an announcement should also be made to the candidates that their seats will be rearranged and that they must come at least 10 minutes earlier on the following day to find the changed location of their seats. In that case fresh plans showing the revised seating arrangements should be put up prominently near the entrances to the examination hall. Placards giving instructions to candidates vide Annexure B (DO's & DON'T's) and plans showing seating arrangements should be prominently displayed at the entrances to the examination hall.

4 (b). The Supervising Officer should satisfy himself before the commencement of the examination that the Invigilators are fully acquainted with the instructions meant for them.

4 (c). The Supervising Officer should make the following announcements to the candidates in the examination hall before the commencement of the examination:-

1. Candidates should make sure that they have no unauthorized books or papers with them.
2. Candidates should carefully read and follow the instructions on the cover of their answer book as also on the question paper.
3. Candidates will be penalized for writing their names anywhere in the answer books.
4. If more than one answer book or forms etc. have been used, the answer paper should be tied with a tag.
5. Candidates will be expelled from the examination hall for resorting to unfair means and they will also be subject to departmental proceedings.

4 (d). The Supervising Officer should note that the candidates must write in their own hand. In no circumstances will they be allowed to help of amanuensis to write the answers for them.

4 (e). The Supervision must be effective and active. It is not sufficient for them to be merely present in the examination hall. Their attention is drawn to the terms of the certificate mentioned in rule 26 which they are required to submit in their own handwriting. On the first day the Supervising Officer will arrive at least 45 minutes before the commencement of the first paper. He will also take all precautionary measures usually associated with the examination, and should in particular ensure that there is no communication of any kind between the candidates during the actual examination. He will satisfy himself that no relation of his is appearing in the examination from that centre.

4 (f). He will ensure that if there are lady candidates in the examination hall they are seated together. If possible, a lady Invigilator from amongst the total number of Invigilators may be posted to look after them. He will tell every Invigilator before the announcement of examination that he would neither read nor engage himself in any personal work in the examination hall.

4 (g). He will ensure that the seats are comfortable and the drinking water is available, Fans, if required and lighting should be adequate. Benches may be provided for keeping the books of the candidates outside the examination hall and if considered necessary a class IV official may be detailed to look after these things for the duration of the examination.

5. Some duties of the Invigilator: - The Invigilator will arrive at least 45 minutes before the commencement of the first paper on the first day and half an hour before the commencement of other papers and make sure of the room to which he has been posted, the names of the other Invigilators who will share duties with him and the number of candidates in that room. One Invigilator should be appointed for every 25 candidates. In every room, however, there must be at least 2 Invigilators even if the number of candidates is less than 25. This arrangement would enable one Invigilator to remain on duty in the room if the other for some reasons has to go out.

One Invigilator from each room should obtain from the Supervising Officer before the commencement of the examination a sufficient number of answer books with and without covers after giving an acquittance where prescribed and other special requirements such as forms etc. and these items should remain in the personal custody of the Invigilator concerned. He should render an account of these to the Supervising Officer.

The candidates should be admitted into the examination hall 15 minutes before the scheduled time on the first day and should be asked to take their seats as soon as they enter. One Invigilator from each room should report to the Supervising Officer at least 7 minutes before the examination for collecting question papers and he should be back to his room 2 minutes before the commencement of the examination. He should render an account of spare copies of the question paper. No Invigilator should read either the question paper or the script of the candidate in the examination hall.

6. Should be present throughout:- The Supervising Officer and the Invigilators should be present in the examination hall throughout the period allotted to each paper.

7. Allotment of seats: - Candidates should not be allowed to select their own seats. The Supervising Officer should allot seats to the candidates.

8 (a). Safe custody, etc., of Question Papers and answer books: - The Supervising Officer will be personally responsible for the safe and secure custody of the question papers and answer books. The packets containing the question papers should be opened in the presence of the candidates five minutes before the time fixed for the commencement of the examination in the subject concerned. Each time the sealed, packet of question paper is taken out for distribution to the candidates, it has to be ensured that it pertains to the correct paper and on opening also this may be checked up before actual distribution. This would obviate the chances of distribution of wrong question papers. The Supervising Officer should ensure that no question paper or answer book is allowed to fall into unauthorized hands. He should also render a proper account of spare copies of the question papers and the unused answer books.

8 (b). A proper account of answer books used in the examination is to be kept. An account has to be kept both for the answer books with covers containing 16 or 8 or 4 pages and answer books without covers i.e. supplementary answer books in the form prescribed in *Annexure IV and V*. If the examination centre consists of more than one hall, the Supervising Officer will keep a proper note of the answer books given to the Invigilators of the other rooms after taking an acquaintance. The extra rooms should be numbered. The form in annexure IV for the answer books with covers i.e., main answer book should be submitted to the Supervising Officer soon after the expiry of the first half an hour and that for the answer books without covers i.e., supplementary answer books, immediately after the end for the paper.

8 (c). For the question papers similarly the number of question papers not used should be returned to the Supervising Officer after expiry of half an hour from the commencement of the examination who should take stock of the question papers and keep the unused papers in safe custody.

9. Supply of ink, blotting paper etc., :- The Supervising Officer will be responsible for a proper supply of ink and blotting paper to the candidates.

10. Supply of answer books:- Answer books with cover are to be distributed to those candidates only who are seated in the examination room. No answer book should be left on a table which has not been occupied by a candidate.

11. Answer books to be initial:- The Supervising Officer should initial on the cover of each answer book supplied to candidates for writing answers on to guard against substitution of answer papers, and should see that the answer papers handed to him by the candidates at the close of the examination in each paper bear his (Officer's) initials.

12. Books, note-books, etc., to be kept outside:-The supervising Officer should ensure that the candidates bring into the examination hall only the documents and reference books (where permitted) actually required in connection with the paper concerned. All other books, note-books, etc., brought by them should be left outside the examination hall. If for any reasons arrangements for keeping books, note-books etc., outside the examination hall is not possible, it must be ensured that the candidates keep their books, note-books etc., below or very close to the table of the Supervising/Invigilating Officer and that there is no possibility whatsoever of their getting access to those books, notes etc. In no circumstances shall that candidate be allowed to keep any books or notes on their tables which they are not authorized to keep when the examination commences.

13. Reference books should not have notes: - The supervising Officer should carefully examine the reference books used by the candidates in the examination room (in cases where the paper is to be answered with the aid of books), and ensure that they do not have any notes or other irrelevant matter. Notes of the nature of the cross-references, glossary or index of references to orders of the Government of India may be permitted but notes of the nature of solutions to questions should not be allowed in any case.

*Note:- In respect of the use of Chaudri's Compilation of Civil Service Regulations or Swamy's pension compilation of the Civil Service Regulation and Liberlaised Pension Rules please refer to note below Para 2 of part II as substituted by correction slip No. 45, dated 1st January, 1962.

14. Candidates arriving late: - (a) Candidates arriving late up to half an hour may be allowed to sit for the examination. Candidates coming late should not, however, be allowed any extra time after the expiry of the hour prescribed for the close of the examination in the paper concerned.

(b) No candidate should be allowed to leave the examination hall until half an hour has elapsed from the time the examination commenced.

(c) Soon after the commencement of the examination the Invigilators will obtain the signatures of the candidates on the attendance sheet in the form shown in Annexure VI. Care should be taken to include the name of any candidate who enters the hall within the half an hour limit.

15. Hall permits, etc. to be examined: - (a) The Supervising Officer should scrutinize the Hall permits etc., of the candidates (which are issued by the Head of the

Circle concerned), and satisfy himself that all the candidates present have been regularly admitted.

(b) The candidates will sign on the hall permit in the presence of the Invigilator for each paper in which they appear and the Invigilator will tally the signature each time with the attested copy of the candidate's signature. The hall permits will be collected by the Invigilator during the course of the last paper.

16. (a) Supplementary answer books or answer books without cover should be supplied to a candidate only when the Supervising Officer/Invigilator is satisfied that the candidate has exhausted the previous answer book. No loose sheets should be supplied.

(b) Two or more answer books submitted by a candidate on the same subject should be securely tagged together after they have been page-marked serially. The candidates should be instructed accordingly.

17. The Supervising Officer and the Invigilators should ensure that the candidates strictly observe the instructions on the cover of their books and they write the roll number, Circle Index No., the subject of the examination and other particulars on the top of the title page of their answer books and that they write on both sides of the paper leaving a quarter margin. Before accepting the answer book he should see that the candidate has entered his correct roll number on the answer book and that he has not written his name on the cover of the answer book. No script in which the candidate has not written his roll number and the Circle Index No. should be accepted.

18. Candidates to have no communication and those going out to be accompanied:- (a) The Supervising Officer should see that there is no communication of any sort either among the candidates, or between the candidates and any outsider, in the examination hall.

(b) When a candidate desires to go out of the examination hall, one of the invigilators should invariably accompany him. He must never be allowed to go out alone.

19. Candidates not to leave during last 10 minutes:- All doors should be closed ten minutes before the closing hour. Candidates should not be allowed to leave their seats until all the answer books in that room have been collected.

20. *Questions from candidates.*- (a) If a candidate asks a question as to any misprint or ambiguity in a question paper, he should be told to make a representation through proper channel if he so desires.

(b) The Supervising Officer should himself submit an independent report giving the candidate's Roll number and the nature of complaint.

21. *Signal of time-limits.*- (a) The Supervising Officer should give a signal at the beginning of the examination in each paper. A signal should also be given fifteen minutes

before the closing time and again at the closing time, warning the candidates to stop writing or revising their answers.

(b) The Supervising officer should see that no candidate writes or revises his answers after the expiry of the time. If any candidate disregards this instruction and exceeds the time-limit, a report should be sent to the proper authority.

22. *Names of Examiners to be kept strictly confidential.*- The names of the examiners, where known to the Supervising Officer, should be kept strictly confidential, and should not be made known to any one else.

23. *Candidates using unfair means.*-If any candidate is found to be using any unfair means in the examination hall action should be taken as laid down in Rule 18 under Part I above, and in accordance with such other instructions as may be issued to him in this behalf.

24. *Dispatch of answer books.*- (a) On the conclusion of the examination in each paper, the answer scripts handed in by the candidates, together with a list (in the form shown in Annexure VII) giving the Roll numbers only (NOT the names) of the candidates who appeared at the examination, should be dispatched at once by insured post by the Supervising Officer personally, in strong packing, carefully sealed, and addressed by name to the Examiner in that paper. Depending upon the number of the answer books to be sent, the answer books should be packed in cloth-lined envelopes or in cloth, or they should be packed in strong paper and then put in drill or canvas bags. They should always be sent by insured post, being insured for Rs. 100/- only irrespective of the number of answer books.

They should invariably be dispatched on the day of the examination itself, by making special arrangements with the local Postmasters, if necessary.

(b) For preparing the list of candidates referred to in Sub-rule (a) above, paper of a superior quality should be used. Absorbent paper should not be used as the entries of marks in ink (to be made by the examiner) would not be legible thereon. In the list, sufficient space should be left under each column for entering marks by the examiners (both in figures and in words). The Roll numbers in this list should not be entered in single space typing, as that makes it difficult for the examiner to enter the marks against each Roll number.

(c) The list referred to in (a) above should be signed by the Supervising Officer. Roll Numbers should be arranged in the list serially, and the subject (or paper number) and the name of the Centre should be shown at the head of the list. The answer scripts should also be arranged serially. The Roll numbers (and answer scripts) of the candidates, if any, of a different Circle should be prominently shown in a separate group. The total number of answer books should also be entered in the list.

(d) A strictly confidential seal should be used in closing the covers and a specimen of it should be given on the list referred to above.

25. *Statement of candidates.*-(a) On the conclusion of the examination in the last paper, the Supervising Officer should send by registered post and to the Head of the Circle (or Head of the Telephone District, as the case may be), a statement showing the Roll numbers with Circle index letters and the names of the candidates who actually appeared at the examination and the subject or subjects in which they appeared in the form shown in Annexure VIII. Care should be taken that no mistake occurs in the names of the candidates. This statement should not be forwarded to the examiners.

(b) In the case of the examinations held centrally, the head of the Circle/Administrative Office should then forward to the Director-General, a consolidated statement showing the Roll numbers and names of candidates who actually appeared from his Circle/Organisation and the subject or subjects in which they appeared. In the case of competitive examinations, the candidates belonging to Scheduled Castes and Scheduled Tribes should be specifically shown as such. Special care should be taken to ensure that there is no mistake in these particulars.

(c) If, in any case, no candidate appears in the examination at a particular centre, a report to this effect should be sent in place of the statement referred to above.

25. *A Diagram of seating arrangement.*-Along with the statement referred to in Rule 25, the Supervising Officer should also furnish, to the respective Head of the Circle/Administrative Office, a diagram of the seating arrangements made for the examination. The approximate dimensions of each room in which the examination was conducted should also be shown on the diagram. Such diagrams should be kept in the Circle Office etc. for record and reference when required.

26. *Supervision Certificate.* - (a) On the conclusion of the examination in the last paper, the Supervising Officer should also send by registered post, to the Directorate or to the Head of the Circle/District as the case may be, a certificate in the following form.

" I certify that I personally opened the covers containing the question papers five minutes before the commencement of the examination in each subject of the ----- Examination held at ----- Centre on the ----- 20----. That I supervised the examination actively; that the instructions laid down for the Supervising Officers were duly observed; that the candidates examined were not given or allowed to find any assistance in answering the question papers; that they were not permitted to select their own seats or to communicate with one another (nor with any outsider) during the examination that they were not allowed the use of any books of reference except those authorized for answering paper(s) ----; that the answer books were collected immediately on the expiry of the scheduled time for each subject, were scrutinised personally by me to see that they were in order according to the prescribed instructions were at once packed and

sealed with a strictly confidential seal, and were in my personal custody until they were dispatched to the examiner concerned by insured post, on day of the examination itself.

(b) I also certify that no relation either of mine or of any of the Invigilators took the examination at this centre and that a proper account of unused answer books was maintained.

Station-----

Date-----

Signature of Officer conducting the examination

With name in block letters (in brackets)

Designation-----

PART IV- INSTRUCTIONS FOR EXAMINERS

1. Strict secrecy and security to be maintained.- The examiners should maintain strict secrecy in respect of the question paper, answer scripts, marks awarded and all other matters connected with the examination. They are also responsible for the security of the answer books so long as they are in their custody.

2. Valuation to be completed in time.- The examiners should ensure that the valuation of answer scripts allotted to them is completed within the time allotted therefore-which is usually a month to six weeks.

3. Appointment of sub-examiners.- Where more than one examiner is appointed for the same paper, it is necessary to ensure, as far as possible, uniformity in the standard of valuation.

4. Care to be taken in valuation.- Utmost care should be exercised in the marking of answer books, so as to ensure that no answer or portion thereof remains unassessed, and that the totals of the marks awarded are correct. The necessity for this cannot be over-emphasized as any mistake or omission detected later-particularly after the announcement of the results-reflects seriously on the efficiency of the administration, besides undermining the sanctity and reliability of the examination results; in some cases, it may also give rise to an unfounded suspicion. The examiners should, therefore, ensure meticulously that no such occasion is allowed to arise.

5. Entries in mark lists to be checked carefully.- The entries of marks in the mark lists should be carefully checked with the totals shown on the respective answer books. This is also very important. Each page of the mark lists should be signed and dated by the examiner.

6. Totals to have no fractions.- The total of marks awarded to an answer script on any subject should not have any fraction. If the total amounts to a fractional figure, it should be rounded off to the nearest or next higher whole number, as the case may be.

7. (a) Division of marks.- The maximum marks for each question are usually indicated in the question paper. It sometimes happens that all the questions carry equal marks, but the total number of marks is not exactly divisible by the number of questions to be answered. In such cases, the balance of marks should be awarded, at the discretion of the examiner, for such qualities as neatness, clearness, conciseness and originality. The extra marks, if any, thus awarded should be added at the end to all the total on the answer scripts.

(b) No marks will be set apart for handwriting in the question papers of the departmental examinations unless the recruitment rules provide for the same.

8 (a) The Examiner should insert marks awarded to each answer in the margin of the script at the end of the answer. In the case of questions with parts, the final marks given to question may also be similarly inserted, except that since the final marks will be the total of the different parts of the question, the final marks may in addition be circled. Marks awarded to portions of an answer should be crossed out lightly.

(b) If any answer deserves 'Zero' then it may be so marked instead of leaving it blank as otherwise it may lead to an inference being drawn that it has been overlooked in valuation.

(c) The examiner must ensure that all the answers are valued and for every question mark entered inside the answer book. Thereafter he must enter all the marks in the cage of the title page below the question answered, and then exclude, where necessary, marks secured in the excess number of answers attempted by the candidates keeping in view the revised instructions referred to in Rule 10. In the cage the excess marks should be circled and the word "EXCESS" should be written below the question with an indicative arrow.

(d) Instead of putting a cross-mark or a dash or a '0' the examiner should put 'Zero' in words in the relevant column of the title page. All 'Zeros' must be entered in the cage.

(e) The examiner should initial each answer book after he has valued it in at the space provided for the purpose on the cover in the right hand corner.

(f) The total of marks awarded to an answer script on any subject should not have any fraction. If the total amounts to a fractional figure it should be rounded off to the nearest or next higher integer, as the case may be. There is no objection in granting marks with fractions to individual questions or parts of a question.

(g) Questions not attempted by the candidates need not be shown by the examiner by placing a 'X' in the cage of the title page. The relevant column should be left blank. However, when a compulsory question is left out by a candidate the words 'NA' should be inserted in the relevant column.

(h) The corrections must always be initialed. It would always be desirable to score out over – writings and re-write the number separately with initials.

(i) Cases where the examiner feels that a candidate has used unfair means should be reported to the Heads of Circles/Administrative Offices or the P&T Services Selection Board (Now Departmental Examination Section), as the case may be, confidentially.

(j) While valuing answer books, colour pencils should be used instead of black lead pencils.

(k) Where a question consists of more than one part, each part should be valued and marked separately and the total of all the part put in the page at the proper place.

9. Rules etc. to be taken as they are three months before the date of announcement.- (a) As stated in Rule 7 under Part-I, the rules and orders in connection with questions and answers thereto should be taken as they stand three months before the date of announcement of the examination concerned; and amendments issued on a subsequent date should not ordinarily be taken into account.

(b) If however, any candidate gives an answer on the basis of such subsequent amendments or decisions, he should not be placed at a disadvantage on that account.

10. Excess answers.- When only a limited number of questions or parts of a question have to be answered but a candidate answers more than the required number, the examiner should value all the questions or parts of the question so answered. He should, however, take into account for arriving at the total of the marks awarded to the candidate only these questions or parts of any questions in which the candidate has secured the highest marks, up to the prescribed number required to be answered. This benefit, however, will not apply in respect of any compulsory question or questions to be answered.

11. Dispatch of Marks Lists.- (a) The marks lists duly filled in and signed by the examiner, should be forwarded by him to the prescribed authority by insured letter post (insured for Rs 100/- only). These lists should be forwarded separate from the answer books.

(b) The examiner is at liberty to submit a report about the general characteristics of the scripts and the quality of the candidates, or to offer any general remarks on the examination which he may desire to make.

12. Dispatch of answer books- While dispatching the answer books to the prescribed authority, the examiner should observe the same instructions as laid down in this behalf for the Supervising Officers, vide Rule 24 under Part III.

13. Preservation of answer books- In cases where the answer books remain with the examiners, they should be preserved for a period of twelve months from the date of announcement of the respective results, vide Rule 17 (b) under Part I and then destroyed.

14. Candidates using unfair means- If, in the course of checking up and marking of papers, an examiner finds that a departmental candidate has resorted to copying from the answer papers of another candidate, or suspects that a candidate has secured undue help from any other unauthorized source, he should submit a report to the authority competent to impose major penalties on the candidate.

In case where the identity of the candidates is not known to the Examiner his report should be submitted to the Head of the Circle/Administrative Office concerned. In respect of the examinations conducted by the Services Selection Board (Now Departmental Examination Section), the examiner should send his report first to the Assistant Director-General (DE), P&T Directorate.

15. Candidates communicating with the examiner- If any candidate or any person on behalf of a candidate communicates or attempts to communicate with the examiner, or otherwise tries to influence him in the award of marks, the examiner should report the fact to the Head of the Circle/Administrative Office concerned, to which the candidate belongs, for appropriate action.

ANNEXURE I
(Rule 11 of Part I)

Roll No. Circle.....

Subject Centre.....

Total No. of books used.....

(Name of Examination)

Instructions

Candidates will be penalised for failure to comply with the following instructions.

DONT'S		DO's	
1	Do not write your name or anything else except the actual answers to the questions anywhere inside your answer book	1	Do write your Roll number and other particulars in the space provided above.
2	Do not leave any pages unused except at the end of the answers.	2	Do use both sides of the paper in the answer book leaving a quarter margin on the left hand on the front side and on the right hand on the back side. (You may use, for rough notes or calculations, the inner side of the cover and, if necessary a page or pages of the answer book. The rough notes should be crossed through afterwards.
3	Do not tear off any leaves from your answer book.	3	Do put the correct number of the question on the margin at the beginning of each answer.
4	Do not leave behind your answer book on your table.	4	Do draw a line at the end of each answer, and do start the next question on a new page.
5	Do not answer a question twice.	5	If any right-hand page is accidentally left blank, do write on it "Please Turn Over".
6	Do not keep any book, article etc. with you which you are not authorized to keep.	6	If you wish to cancel any work, do draw your pen through it or write "cancelled" across it; otherwise it may be valued.

7	Do not leave your seat without the Permission of the supervisor.	7	If you have used more than one answer book, do tie them together securely with a tag provided for the purpose, and do indicate on the cover of the first book, the total number of books used.
8	Do not write any irrelevant matter such as appeal to Examiner for marks.	8	Do hand over your answer book personally to an invigilator before leaving the examination hall.
9	Do not write on the blotting paper or Hall permit or on the question paper	9	Do attach all loose sheets, such as maps, graphs etc. Inside the cover of your answer book.
10	Do not write or revise your Answers after the expiry of the allowed time.	10	Do write in ink, Pencil may, however be used for mathematical drawings, rough work etc.
		11	Do page mark the answer book Serially.

Note,- Any attempt on your part to copy from the answer paper of a neighboring candidate or from any written paper or document brought by you, or in any other way to obtain help by irregular or illegal means in writing your answers will result in your immediate expulsion from the Examination Hall.

Table below to be filled up by the examiner.

Question No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TO TAL
Marks Obtained																
Initial of the Examiner																

NOTE- When No. of questions exceeds 15, please draw a line in the middle of the table across it giving space for insertion of marks to additional question.

ANNEXURE II
(Rule 13 of Part I)

Application for communication of marks.

1. Name of examination.
2. Name of candidate.
3. Designation.
4. Roll No.
5. Centre at which appeared.
6. Amount of fee deposited.

(Receipt No.....dated.....from.....P.O. attached.)

Station

Date

Signature of application

No.

Dated the

Forwarded to the.....for necessary action.

Station

Date

(Signature)
Designation

ANNEXURE III
(Rule 14 of Part I)

Application for retotalling and verification of marks.

1. Name of examination.
2. Name of candidate.
3. Designation.
4. Roll No.
5. Centre at which appeared.
6. Paper(s) in which retotalling is desired.
7. Amount of fee deposited.

(Receipt No.....dated.....from.....P.O. attached.)

Station

Date

Signature of application

No.

Dated the

Forwarded to the.....for necessary action.

Station

Date

(Signature)
Designation

ANNEXURE IV
(Rule 8 (b) of Part III)

Name of the Examination

Centre

Date

Session

Paper

Hall/Room No.

Account sheet of Answer Papers with covers
(Main answer book) 16/8/4*

No. of answer books (with covers) at the beginning of session	No. of candidates present	No. of answer books issued	Balance	Reasons for discrepancy if figures in col. 2 & 3 do not tally
1	2	3	4	5

*Score out whichever are not applicable.

Initials of Invigilator

ANNEXURE V
(Rule 8 (b) of Part III)

Name of the Examination:

Centre:

Session:

Date:

Hall/Room No:

Paper No:

Account sheet of Answer books without covers (Supplementary Answer book)

No. of answer books (without covers) at the beginning of session	Roll No. of candidates who used supplementary answer books and the No. supplied to each.	Total No. of such answer books issued	Balance of supplementary answer books (1-3)	Reasons for discrepancy if any
1	2	3	4	5

Initials of Invigilator

ANNEXURE VI
(Rule 14 (c) of Part III)

Name of the Examination

Centre

Session

Hall/Room No.

Date

Paper No.

Subject

Candidate's Attendance Sheet

Column 4 below will be signed up by the candidates at the beginning of each paper. Invigilators will fill it up if a candidate is absent.

Serial No.	Name. of the candidate	Roll No.	Signature of candidates
1	2	3	4

ANNEXURE VII
(Rule 24 (c) of Part III)
List of candidates appeared

Name of the Examination
Date
Hours from.....to.....(I.S.T)
Subject
Circle
Centre
Total No. of candidates present
Total No. of answer books
Name and designation of the officer
Conducting the examination

To be filled in by the
Supervisor of Centre

(Signature)

To be filled in by the Examiner			
Roll No. with Circle Index letter (in serial order)*	Marks in figures	Marks in words	Remarks

*If a candidate has used more than one answer book, the total number of answer books used should be entered in brackets against his Roll No. e.g. DI-57(3)

ANNEXURE VIII
(Rule 25 (a) of Part III)

Statement of candidates who actually appeared.

(To be sent by the Supervising Officer)

Sl. No.	Circle Index letter	Roll Nos.	Names of candidates	Paper in which they have appeared.

ANNEXURE IX
(Rule 25 (b) of Part III)

Statement of candidates who took the examination
(To be sent by Circles/Administrative Offices)

Circle index letter

Sl. No.	Roll No	Name	Whether S/C or S/T	Subjects in which they appeared	Remarks If any

ANNEXURE X
(Rule 25 (b) of Part III)

Statement of candidates claiming sports marks

(To be sent by circles /Administrative offices)

Sl. No.	Roll No.	Name of candidate	Whether attested copies of Certificates attached and their particulars	Recommendations

ANNEXURE 'A'
(Rule 3 of Part III)

(1) Previous day of the examination

- (i) Arrangements of seats be completed, halls to be thoroughly cleaned so as to be free of all scraps of paper.
- (ii) Fixing of roll number cards to be completed.
- (iii) Seating plans to be prepared for all sessions of the first day.
- (iv) Seating plan and placards of instructions. DO's and DON'T's to be displayed at a prominent place outside hall/room.
- (v) Direction placards to be displayed at suitable places.
- (vi) Room(s) to be provided with bath-rooms as near as possible (separate for gentlemen and ladies) - Improvised bath-rooms to be erected if there are no bath-rooms on the premises.
- (vii) Rooms to be adequately lighted so that there is no complaint on this score.
- (viii) Supply of drinking water to candidates to be ensured (Tables to be placed outside the hall for keeping water jugs and glasses).
- (ix) Tables (outside the hall) to be placed for keeping books etc. brought by the candidates.
- (x) Invigilators appointed for the conduct of the examination to be briefed in respect of their duties.
- (xi) The supervising officer has to ensure that question papers has been safely kept as also his personal seal and that there is adequate stock both of the main answer books and the supplementary answer books.

The following articles are to be kept ready:-

- (1) Ink bottles
- (2) Ink pots (empty) for supplying ink to candidates, if require
- (3) Small blotting paper sheets (fresh sheets to be supplied for every session)
- (4) Sealing wax-red
- (5) Candles
- (6) Needles
- (7) Thread ball (sufficiently strong thread to be procured)
- (8) Match Box
- (9) Gum bottle with brush
- (10) Pins
- (11) Tags (for supply to candidates for stitching scripts)
- (12) Chalk
- (13) Jute Twine and cotton Twine
- (14) Drawing pins (for fixing roll number cards)

- (15) Packing paper or making parcels of scripts
- (16) Cloth for parcels
- (17) Card-board sheets
- (18) Small and large envelopes
- (19) Notes board and Black board (where necessary)
- (20) Scissors
- (21) knife
- (22) Poker
- (23) Duster
- (24) Seal
- (25) Time-piece
- (26) Buckets
- (27) Jugs
- (28) Glass Tumbler
- (29) P&T manual Vol. IV (corrected up-to-date)
- (30) Designation stamp
- (31) Damper
- (32) Waste paper basket
- (33) Stationery and prescribed statements for the use of supervisors and Invigilators
- (34) Bell with hammer
- (35) Security box, if available, for keeping spare question papers
- (36) Carbon
- (37) Wooden blocks
- (38) Paper Bags
- (39) Typewriter
- (40) Other necessary items

(2) Day of the Examination

The Supervising Officer, the Invigilators as also the clerk will arrive at the examination centre with answer scripts, articles of stationery, special requirements if any for the question paper for that session, attendance sheets, diagram charts, different prescribed forms as laid down in Appendix 37 of P&T Manual Vol. IV at least 45 minutes before the start of the examination on the first day. All Invigilators will report to the Supervising Officer and the Supervising Officer will adjust all watches so as to synchronize with the Indian Standard Time. He will satisfy himself that no relation of his is appearing at that centre and will obtain the required certificate from the Invigilators.

Each invigilator will get sufficient number of answer books both with and without covers, special requirements, attendance sheet forms from the Supervising Officer, forms for keeping an account of answer books with or without cover where necessary and keep them in his custody. About half an hour before the start of the examination, the question paper packet should be taken out by the supervisor from the safe if the

safe is at the examination centre, otherwise he would have already brought the packet with him when he arrived at the examination centre. He will keep the question paper packet in his personal custody. About 20-25 minutes before the examination is to commence the invigilators will be told what tables will be supplied with question papers, by them and what, if necessary, by the supervising officer himself.

15 minutes before the examination is to commence, the candidates will be admitted in the examination hall on the first day. The Supervising Officer should ensure that the candidates bring into the examination hall only the documents and reference books (where permitted) actually required in connection with the paper concerned. All other books, note books brought by them should be left outside the examination hall. If for some reasons such an agreement is not possible all books, notes etc. must be kept below the Supervisor or Invigilator's tables. The candidates should not be allowed to select their own seats. They should not be allowed to move out of the hall once they have entered. The answer book with cover is to be supplied to each candidate who is seated in the room. It must be ensured that no answer book is supplied which does not contain the initial of the supervisor. No answer book is to be left at tables that are not occupied.

About 8-10 minutes before the commencement of the examination, instructions to the candidates should be read out.

5 minutes before the commencement of the examination the Supervisor should open the question paper packet in the presence of a few invigilators and the candidates. The number of papers in the packet is to be checked with the number indicated on the cover. The requisite number is to be handed over to the invigilators. The invigilators will not read the paper nor will they place them on the table.

A bell should be rung as soon as the clock strikes the hour when the examination should start and the question papers should be distributed rapidly.

The late comers are to be admitted up to half an hour after the commencement of the examination. In the meanwhile the invigilators will check up the hall permits and prepare the attendance sheets. The roll number entered on the cover page of an answer book should be checked carefully for its correctness. The candidates should be asked to serially page-number the answer script.

After half an hour of the commencement of the examination the question papers, if any, remaining with the invigilators are to be returned by the invigilators to the Supervising Officer who should take stock of the question papers and keep the unused papers in safe custody. No more late comers should be admitted in the examination hall. He will also at that stage submit an account of answer books with covers in the form prescribed in Annexure IV of Appendix 37 of Vol. IV to the Supervising Officer.

Tags are to be supplied to those candidates as ask for supplementary answer books or for fastening forms etc. While issuing supplementary answer books the candidates must be asked to enter roll number and book number on the supplementary answer books or books also.

No candidate should be allowed to leave he examination hall until half an hour has elapsed from the time the examination commenced.

15 minutes before the examination is over a bell will be rung and time announced loudly. The candidates should be asked to start the tagging of additional answer books and other papers if not already done. 10 minutes before the examination is over, all doors and windows are to be closed and no candidate allowed to go out till the time for the paper is over and all scripts have been collected.

At the expiry of the allotted time a bell is to be rung again loudly and candidates asked to stop writing or revising answers. Scripts are to be collected quickly ensuring that no candidate gets away with any extra time. Within 5 minutes of the end of the examination the numbers of the answer books are to be rapidly counted and tallied with the number of candidates present. The scripts are then to be checked with the attendance list and issues of supplementary answer books to be tallied with the number of books actually affixed to the scripts. The form as laid down in annexure V of Appendix 37 should be referred to. The scripts together with 3 copies of question papers and the proforma as laid down in Annexure VII Rule 24 of part III of appendix 37 of P&T Man. Vol. IV should be sent to the examiner. If the name of the examiner has not been communicated to the examiner the answer books should be sent by name to the Asst. Director General Departmental Examination, P&T Directorate, New Delhi, insured for Rs.100/- by a Service insured post in respect of examinations conducted by the S.S.C. Board (now Departmental Examination Section).

After the dispatch of the answer scripts, the detailed accounts of the answer books etc as rendered by the invigilators should be gone through. At the end of the day, fresh seating plans are to be displayed, where necessary and seating to be made accordingly and roll number cards affixed afresh. Steps are to be taken to ensure that no used blotting paper or any crumpled paper is lying on any table or floor.

On the conclusion of the examination in the last paper the Supervising Officer should send by registered post a statement of candidates who actually took the examination in the form as laid down in Annexure VIII of Appendix 37 of Vol. IV. This will be accompanied by the diagram of the seating arrangement. He will also send the certificate to the authorities concerned as laid down in Rule 26 of Appendix 37 of Vol. IV.

DON'T'S

1. Do not write your name or anything else except the actual answers to the questions anywhere inside your answer book. You will be penalized for writing your name.
2. Do not leave any page unused except at the end of the answers and do not fold pages.
3. Do not tear off any leaves from your answer books.
4. Do not leave behind your answer book on your table
5. Do not keep any book, article etc. with you which you are not authorized to keep.
6. Do not leave your seat without the permission of the Supervisor.
7. Do not write any irrelevant matter such as appeal to examiner for marks.
8. Do not smoke in the Examination hall.

DO'S

1. Do not count the pages of your answer books. Do check up that the pages are correct and are not torn or lose
2. Do write your Roll No. and all other particulars in the space provided for the purpose.
3. Do use both sides of the Papers in the answer book leaving a quarter margin on the left hand on the front side and on the right hand on the backside (you may use, for rough notes or calculations, the inner side of the cover and, if necessary, a page or pages of the answer book. The rough notes neatly be crossed through afterwards.
4. Do write in ink, ball pen Pencil may however be used for mathematical drawing, rough work etc.
5. Do put the correct no.of the Question on the margin at the beginning of each answer.
6. Do draw a prominent line at the end of each answer.
7. If any right-hand page is accidentally left blank do write on it "Please turn over."
8. If you wish to cancel any

9. Do not write on the blotting paper or on the question paper.

10. Do not write or revise our answers after the expiry of the allotted time.

11. Do not leave the examination hall, if you wish to leave it until half an hour after the commencement of the Examination

12. Do not answer a question twice

13. Do not make any special sign or mark in or outside the answer book.

work, do draw your pen through it or write 'cancelled' across it; otherwise it may be valued.

9. An additional book will be Supplied on request when the book is exhausted. If you have used more than one answer book do tie them together securely with a tag provided for the purpose and do indicate on the cover of the first (main) book the total no. of books used. Write the number of the additional answers book on the supplementary answer book provided.

10. Do hand over your answers Book personally to an invigilator before leaving the examination hall.

11. Do attach all loose sheets, such forms etc Inside the cover of your answer book

12. Do page mark the answer book serially.

13. Do observe silence in the Examination hall.

Please note:-

(A) Any attempt on your part to copy from the answer papers of a neighbouring candidate or from any written paper or document brought by you, or in any other way to obtain help by irregular or illegal means in writing out your answers will result in your immediate expulsion from the examination. Hall.

(B) A signal will be given at the time of the beginning of the paper. A signal will also be given 15 minutes before the closing time and again at the closing time.