

पूर्वोत्तर रेलवे

कार्यालय
महाप्रबन्धक/कार्मिक
गोरखपुर

सं. का/254/4-परिचालन/30प्रतिशत/एलडीसीई /2020 (I) दिनांक 11.08.2022

1. वरिष्ठ उप महाप्रबन्धक/सचिव/महाप्रबन्धक/अपर महाप्रबन्धक/गोरखपुर।
2. प्रमुपरिप्र/सीएफटीएम/सीपीटीएम/सीटीपीएम/प्रमुसंधि/गोरखपुर।
3. उपमुसताधि/यातायात/उपमुपरिप्र/माल/उपमुपरिप्र/एफ0ओ0आई0एस/गोरखपुर।
4. मंरेप्र/वमंकाधि/वमंपरिप्र/इज्जतनगर, लखनऊ, वाराणसी।
5. वकाधि/निर्माण/गोरखपुर। सदस्य तकनीकी, रेल दावा अधिकरण/गोरखपुर, लखनऊ, पटना।
6. महाप्रबन्धक/मुकाधि/आर ई/इलाहाबाद।
7. महानिदेशक/आर डी एस ओ/लखनऊ एवं महानिदेशक/ईरीटम/लखनऊ।
8. प्रबन्ध निदेशक/डीएफसीसीआईएल कार्पोरेशन/नई दिल्ली।
9. सचिव/स्थापना/रेलवे बोर्ड/नई दिल्ली।
10. सलाहकार/निदेशक/सतर्कता/रेलवे बोर्ड/नई दिल्ली।
11. प्रिंसिपल/जेड आर टी आई/गाजीपुर।
12. प्रिंसिपल/एम एस टी सी/गोरखपुर एवं वकाधि/मुख्यालय/गोरखपुर।

विषय:- सपरिप्र, ग्रुप-बी, 30 प्रतिशत (एलडीसीई) कोटा के विरुद्ध चयन के सम्बन्ध में।

संदर्भ:- इस कार्यालय का समसंख्यक अधिसूचना दिनांक 08.02.2021, 10.02.2021, 12.02.2021, 28.09.2021, 27.10.2021, 08.11.2021, 17.11.2021, 02.05.2022 एवं दिनांक05.08.2022।

सहायक परिचालन प्रबन्धक (ग्रुप-बी), 30 प्रतिशत एल0डी0सी0ई0 कोटा के विरुद्ध दिनांक 19.05.2022 को सीबीटी आन लाईन मोड से सम्पन्न प्री-क्वालीफाईंग लिखित परीक्षा अपरिहार्य कारणों से निरस्त की गयी थी एवं सूचित किया गया था कि प्री-क्वालीफाईंग लिखित परीक्षा अब सीबीटी आन लाईन मोड से राष्ट्रीय रेल अकादमी बडोदरा द्वारा सम्पन्न करायी जायेगी।

उक्त के आलोक में मूल अधिसूचना दिनांक 08.02.2021 में उल्लिखित, लिखित एवं मौखिक परीक्षा की योजना में निम्नलिखित संशोधन किया जाता है :-

लिखित एवं मौखिक परीक्षा की योजना-

- a. रेलवे बोर्ड के पत्र संख्या ई (जीपी) 2022/2/4 दिनांक 28.06.2022 के अनुसार लिखित परीक्षा में कुल 150 अंको का एक प्रश्नपत्र होगा जिसमें 100 प्रतिशत वस्तुनिष्ठ प्रकार के बहुविकल्पीय प्रश्न शामिल हैं, जिसके अंको का वितरण निम्नवत है-

प्रश्नपत्र का विषय	कुल अंक
तकनीकी विषय	80 अंक
सामान्य ज्ञान जिसमें राजभाषा नीति एवं नियमों से संबंधित 15 अंको के वैकल्पिक प्रश्न शामिल है	40 अंक
स्थापना एवं वित्तीय नियम	30 अंक
कुल अंक	150 अंक
अर्हक अंक	90 अंक

- b. मास्टर सर्कुलर-68 के पैरा-10.6 के अनुसार व्यावसायिक योग्यता के लिए निर्धारित अंको का 10 प्रतिशत अंक के बराबर प्रश्न राजभाषा नीति एवं राजभाषा नियमों से संबंधित विषयों पर आधारित होंगे, परन्तु ये प्रश्न अनिवार्य नहीं होंगे।
- c. परीक्षा का समय 03 घण्टे निर्धारित है। प्रश्न पत्र में कुल 175 प्रश्न होंगे, जिसमें से 150 प्रश्नों के उत्तर दिये जाने होंगे। प्रत्येक सही उत्तर के लिए 01 अंक निर्धारित है तथा प्रत्येक गलत उत्तर के लिए प्रत्येक प्रश्न हेतु आवंटित अंको में से एक तिहाई (1/3) अंक काटा जायेगा।
- d. लिखित परीक्षा में उत्तीर्ण अभ्यर्थियों को चिकित्सा जाँच में फिट पाये जाने के उपरान्त मौखिक परीक्षा हेतु बुलाया जायेगा एवं मेरिट के अनुसार पैनल बनाने का प्रावधान है। पैनल में स्थान पाने हेतु डीएआर/एसपीई/सतर्कता मामलो से मुक्त होना अनिवार्य है।

अतः लिखित परीक्षा उपरोक्त के अनुसार सम्पन्न करायी जायेगी। रेलवे बोर्ड के पत्र संख्या ई (जीपी) 2022/2/4 दिनांक 28.06.2022 के अनुसार लिखित परीक्षा सितम्बर-2022 में सम्पन्न कराये जाने की सम्भावना है।

संलग्नक / सेलेबस (तकनीकी विषय)।

प्रतिलिपि सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित –
सचिव/प्रमुख मुख्य परिचालन प्रबन्धक/गोरखपुर।

**RAJESH
KUMAR
PANDEY** Digitally signed
by RAJESH
KUMAR PANDEY
Date: 2022.08.11
17:35:23 +05'30'
(राजेश कुमार पाण्डेय)
सकाधि/राज0
कृते महाप्रबन्धक/कार्मिक

SYLLABUS FOR LDCE - FOR PROMOTION TO GROUP 'B' POSTS IN THE TRAFFIC (TRANSPORTATION & COMMERCIAL) DEPARTMENT

A. TRAFFIC (TRANSPORTATION):

I. GENERAL

- Hierarchical set up and line of control of Operating Dept. at the Divisional, Zonal and Railway Board level.

II: TRAFFIC, TRAIN AND POWER CONTROL ORGANISATION

- Objective and set up of Control Offices.
- Functions of Control Organization pertaining to Train Ordering, Punctuality, Maintenance of Operating Statistics, Wagon & Loco Stock Management, Blocks (Engg., TRD etc) management, Management during Accident & Unusual Situations/ Circumstances & Disaster Management.
- Duties and responsibilities of Chief Controllers, Dy. Chief Controllers, Section Controllers, TNCs, Recorders and their Co-ordination with Lobbies, Station & Yards.
- Freight Train Operations (FTO) & Freight Train Ordering Principles with or without co-ordination with Crew Lobbies.
- Special instructions during abnormal conditions of working & during emergencies like Cyclone, Civil Disturbances, Accidents etc.
- Daily Performance Reporting from Stations/Yards/Sheds to Area Sub-control, Area Sub-control to Divisional Control Office and from Divisional Control Office to Zonal Control Office and from Zonal Control office to Railway Board.
- Basic and important Documents/Registers maintained in Control Office and their basis.
- Periodical Performance Reporting and analysis of Operating Performance along with compilation of statistical data.

- Power Control Organization- Engine and Crew scheduling.
- Factors affecting Wagon & Engine utilization and methods of improvements.
- Working pertaining to issue of Caution Orders from Nominated and Notice Stations.
- Liaison/Co-ordination with Control Establishments of other departments like Engg., TRD, Traction Control, Signaling Control etc.

III. FREIGHT TRAIN OPERATIONS

- Functioning of Crew & Guard Lobbies.
- Integrated Lobbies.
- Shunting operations in Yards or Road side stations.
- Working of Marshalling Yards & Transshipment Points.
- Causes of Yard and Section congestion and remedial strategies.
- All India Marshalling Order and Railway-wise Marshalling Orders – Principles and Procedures.
- Rules regarding carriage of Explosives and other General goods.
- Priority Schedule.
- Indent Allotment and Supply of Freight stock at stations.
- Wagon Stock Management for loading and unloading operations.
- Imposition of Operating Restrictions, on Wagon Loading and acceptance of Wagon Indents.
- Observance of Civil ban and Carriage of Contraband goods etc.
- Important Documents/Registers maintained in Yards & at Stations.
- Familiarity with G&SR, Accident Manual, Operating Manual, Block Working Manual, Red Tariff, IR Act, 1989 etc.
- Crew management.

- Engine Utilization aspects requiring special attention:-
 - ❖ Engine Crew and Train Crew Schedule.
 - ❖ Rules regarding Outstation and Home Station rest, etc. to ensure observations of 10 Hour Rule or Rules applicable from time to time.
 - ❖ Movement of Dead Locomotives
 - ❖ Management of maintenance Schedule of Locomotives
 - ❖ Shed and Traffic Outage of Locomotives
- Wagon Turn Round Time (WTR) & factors affecting optimum utilization of the wagon fleet and methods of improvement:-
 - Running of unit trains and formation of Captive Rakes.
 - Block Train Operations.
 - Nominated day loading
 - Rationalization Scheme of movement of Freight traffic for avoiding congestion by specific routes.
 - Merry –Go- Round (MGR) System
 - Engine on –load (EOL) system
 - Mini rake system
- Supervision and control over movement of Special type of Stock, ODC consignments.
- Maximum Moving dimensions.
- Wagon Census.
- Uses of Computer:
 - ✚ Freight Operations Information System (FOIS)
 - ✚ Coaching Operations Information System (COIS)
 - ✚ Rake Management System (RMS)
 - ✚ Terminal Management System (TMS)
 - ✚ Computerized Train Charting.
- Relevant Rules and Important Policy guidelines.
- C & W examination for Intensive, Round Trips, Premium and Close Circuit rakes.
- Sicklines and TXR Repair Depots including POH & ROH Depots and their functions.

- Supply of Coaches/Wagons to C&W shops for POH and special repairs.
- Working of Travelling traffic cranes for handling heavy consignments at Intermediate stations.
- Detaching of Sick Wagons at enroute Stations and their repair and clearance.
- Inter change transactions – Junction returns of Inter Railway Inter change traffic.
- Weighment of rakes.
- MIL RAIL
- Permissible Axle Loads & Heavy Haul Operations
- 'Payload' to 'Tare' Ratio of Wagons.

Operating Statistics

- Definition, meaning and methods of compilation of the Fundamental and Derived units.
- Analysis of the Operating Statistics.
- Important Operating Efficiency Indices, their meaning and uses.
- Operating Ratio.

I. WORKING OF TRAINS GENERALLY AND GENERAL AND SUBSIDIARY RULES

- Responsibility and Function of Engine crew before starting and while on run and during abnormal/unusual situations.
- Responsibility and function of Guard/Asst. Guard before starting and while on run and during abnormal/unusual situations.
- Role & Responsibility of Station staff in working of trains.
- Various systems of working of trains and Conditions for Granting LC.
- Classification of Stations, Standards of Interlocking, Signaling systems, Equipment & their working.
- Station Working Rules and Block Working.
- Level crossings.
- Line capacity and measures for augmenting it MAUQ, Tokenless working, Centralised Traffic Control, Doubling, Automatic Block, IBS/IBH.
- Combined Train Report, Guard's Rough Journal Book, Vehicle Guidance, Driver's Ticket, Brake Power Certificate etc.
- Rules regarding Marshalling of vehicles on Passenger, Mixed and Freight trains.
- Vacuum Brake & Air brake systems alongwith Continuity Test.
- Precautions to be taken on Ghat sections.

II. PASSENGER TRAINS OPERATION

- General principles and methodology of Time Tabling of Passenger trains.
- Consultative Machinery for revision of Time Table at Divisional, Zonal and Railway Board level.
- Publication of Working Time Tables, Public Time Tables & Sheet Time Tables.
- Punctuality of Passenger carrying trains.

- Factors affecting Punctuality of Passenger carrying trains and methods of improving the Punctuality.
- Augmentation of train loads for meeting traffic requirements.
- Running of Tourists coaches, Special carriages and Special trains.
- Planning & Running of Holiday specials, Mela Specials, Tourist Specials, etc.
- Introduction of new trains, extension of train runs, introduction of Through and Sectional Coaches.
- Preparation of Engine Links, Driver/Guards Links & Rake Links.
- Commuter Service Operations.

III. ACCIDENTS AND SAFETY ORGANISATION

- Accidents, types and their classification, causes and their prevention.
- Functioning of Railway Safety Organization.
- Chief Commissioner of Railway Safety and his Functions.
- Rules for reporting Accidents.
- Accident Relief Medical Equipment (ARMEs) & Accident Relief Trains (ARTs).
- Role & Responsibilities of various Officials and Departments during Accidents.
- Responsibility of the Control Organization Station Masters and Traffic staff on the affected Section.
- Accidents enquiries and DAR action against staff held responsible for the Accidents.
- Review and analysis of Accidents for taking corrective measures.
- Disaster Management & Implementations of High Level Committee's report on Disaster Management on Indian Railways.

ACCIDENTS PREVENTION

- Psycho analysis in case of accidents attributed to human failures.
- Improved mechanized aids to prevent human error like:
 - Improved signalling and inter-locking arrangement,
 - SM's central and Inter cabin control over route
 - Track circuit and Axle counters.
 - Route Relay inter-locking
 - Automatic cab warning system and automatic braking system.
- Refresher Courses, Safety camps and safety campaigns.

IV. PLANNING ON THE RAILWAYS

- Set up & Functions of Planning Wing on IR.
- Corporate Plan and Annual Plan.
