



सत्यमेव जयते

Chandrakleha Mukherjee
IRTS

भारतीय रेल परिवहन प्रबन्धन संस्थान
(भारत सरकार – रेल मंत्रालय)

Indian Railways Institute of Transport Management
(Government of India – Ministry of Railways)

Hardoi By-Pass Road, P.O. Manak Nagar, LUCKNOW-226011
Tele: (BSNL) –0522 – 2451942, FAX No. : 0522 – 2451964

No. IRITM/QB/Gr.-B/2022

Dated: 07.07.2022

PCOMs

All Zonal Railways.

Sub: Preparation of Question Bank (Bilingual in Hindi & English) for Gr.-‘B’ of Technical Subject.

Ref: (i) Railway Board’s letter No. E(GP)2022/2/4 dated 28.06.2022.
(ii) AM(T)/Rly.Bd.’s letter dated 04.07.2022 (Copy enclosed).

It has been decided by Board to introduce Centralized Computer Based Objective Type Examination (CBT) for conducting 70% Selections and 30% LDCs in all departments having Organised Services henceforth.

In this regard, each Zonal Railways is required to prepare a Question Bank (Bilingual in Hindi & English) on allotted topic as per attached **Annexure**. Question Bank (Bilingual in Hindi & English) by each Railway may contain atleast 200-250 number of questions in MCQ form alongwith the correct option/answer and source/reference of the question in the format given below:

S.No.	Question (MCQ in bilingual format) with options (A, B, C, D)	Correct option (A/B/C/D)	Reference/Source (Act/Mannual/Rule/Topic/Chapter, Para No., Page No. Policy/Circular No.)
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You are requested to make a Question Bank (Bilingual in Hindi & English) on the topic allotted as per Annexure, containing atleast 200-250 number of questions and send the same to IRITM at the email igotiritm.cr1@gov.in latest by 22.07.2022.

DA: As above.


(Chandrakleha Mukherjee)
Director General

Copy to: for kind information

Additional Member (Traffic), Railway Board.

Government of India (Bharat Sarkar)
Ministry of Railways (Rail Mantralaya)
(Railway Board)

No.

Dated: 04/07/2022

PCOMs
All Zonal Railways.

Sub: Preparation of Question Bank (Bilingual in Hindi & English) for Gr.-'B' of Technical Subject.

Ref: Railway Board's letter No. E(GP)2022/2/4 dated 28.06.2022.

Vide letter under reference, it has been decided to introduce Centralized Computer Based Objective Type Examination (CBT) for conducting 70% Selections and 30% LDCEs in all departments having Organised Services from the vacancy cycle beginning from w.e.f. 01.01.2023.

To begin with 30% LDCEs of current vacancy cycle will also be conducted through Centralised CBT. LDCE will be one stage only and will comprise of only one paper with the following set up:-

- (a) Single paper of 150 marks comprising 100% Objective type Multiple Choice Questions with following distribution of marks:
- | | | |
|--|---|----------|
| (a)(i) Technical (Professional) subject | : | 80 marks |
| (a)(ii) General Knowledge including optional Questions of 15 marks on Official language Policy & Rules | : | 40 marks |
| (a)(iii) Establishment & Financial Rules | : | 30 marks |

Syllabus for LDCEs for organised services has already been prescribed by Board. However, as it is based on the old pattern when there were two Papers – Paper-I and Paper-II in the LDCEs, the Centralised CBT shall be held from the said syllabus after amalgamating the topics prescribed in Paper-I and Paper-II of respective syllabi.

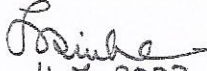
In this regard, each Zonal Railways is required to prepare a Question Bank (Bilingual in Hindi & English) on allotted topic as per attached **Annexure**. Question Bank (Bilingual in Hindi & English) by each Railway may contain atleast 200-250 number of questions in MCQ form alongwith the correct option/answer and source/reference of the question in the format given below:

S.No.	Question (MCQ in bilingual format) with options (A, B, C, D)	Correct option (A/B/C/D)	Reference/Source (Act/Mannual/Rule/Topic/Chapter, Para No., Page No. Policy/Circular No.)
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As, examination for LDCEs for current vacancy cycle through CBT is scheduled to be held in mid September of 2022, all Zonal Railways may kindly prepare the Question Bank (Bilingual in Hindi & English) having Objective type Multiple Choice Questions by 22.07.2022 and send the same to DG/IRITM, Lucknow for overall compilation and further necessary action.

As, it has been clarified in Board's letter under reference that there will be no deviation in the schedule for LDCEs of current vacancy cycle, it is important that the matter is treated as **URGENT** and Question Bank is prepared by the target date and sent to IRITM without fail at the email igotiritm.cr1@gov.in.

DA: As above.


4.7.2022
(Jaya Varma Sinha)
Additional Member (Traffic)

Copy to:

Director General, IRITM, Lucknow.

ANNEXURE

S. No.	TOPIC	Rly. To make question bank
1.	<p>GENERAL</p> <ul style="list-style-type: none"> • Hierarchical set up and line of control of Operating department at the Divisional, Zonal and Railway Board level. <p>TRAFFIC, TRAIN AND POWER CONTROL ORGANISATION</p> <ul style="list-style-type: none"> • 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, Traction Distribution etc.) management, Management during Accident, Unusual situations/Circumstances & Disaster Management. • Duties and responsibilities of Chief Controller, Dy. Chief Controllers, Section Controllers, TNCs, Recorders and their co-ordination with Lobbies, Stations and 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 an 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 Organisation – Engine and Crew scheduling. • Factors affecting Engine and Wagon 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. 	CR
2.	<p>FREIGHT TRAIN OPERATIONS</p> <ul style="list-style-type: none"> • 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, Carriage of contraband goods etc. 	ER
3.	<p>FREIGHT TRAIN OPERATIONS</p> <ul style="list-style-type: none"> • Familiarity with G&SR, Accident Manual, Operating Manual, Block Working Manual, Red Tariff, IR Act 1989 etc. 	ECR

4.	FREIGHT TRAIN OPERATIONS <ul style="list-style-type: none"> • Functioning of Crew and Guard Lobbies. • Integrated Lobbies. • Shunting operations in Yards and Road side stations. • Working of Marshalling Yards and Transshipment Points. • Causes of Yard and section congestion and remedial strategies. • All India Marshalling Order and Railway-wise Marshalling Orders-Principles and Procedures. • Important documents/registers maintained in Yards and at Stations. 	ECOR
5.	FREIGHT TRAIN OPERATIONS <ul style="list-style-type: none"> • Crew Management • Engine utilization aspects requiring special attention: <ul style="list-style-type: none"> i. Engine Crew and Train Crew Schedule. ii. Rules regarding outstation and Home Station rest etc. to ensure observation of 10 hour rule or rules applicable from time to time. iii. Movement of Dead Locomotives. iv. Management of maintenance Schedule of Locomotives. v. Shed and Traffic Outage of Locomotives. 	NR
6.	FREIGHT TRAIN OPERATIONS <ul style="list-style-type: none"> • Wagon Turn Round Time (WTR) & factors affecting optimum utilization of the wagon fleet and method of improvement. <ul style="list-style-type: none"> i. Running of unit trains and formation of Captive rakes. ii. Block Train operations. iii. Nominated day loading. iv. Rationalization scheme of movement of freight traffic for avoiding congestion by specific routes. v. Merry-Go-Round System. vi. Engine-On-Load System. vii. Mini Rake System. • Supervision and control over movement of Special type of Stock, ODC consignments. • Maximum Moving Dimensions. • Wagon Census. 	NCR
7.	Uses of Computer <ul style="list-style-type: none"> • Freight Operations Information System(FOIS). • Coaching Operations Information System(COIS). • Rake Management System(RMS). • Terminal Management System(TMS). • Computerized Train Charting. 	NER
8.	FREIGHT TRAIN OPERATIONS <ul style="list-style-type: none"> • Working of Travelling Traffic Cranes for handling heavy consignments at intermediate stations. • Detaching of Sick Wagons at en-route stations and their repair and clearance. • Interchange Transactions- Junction returns of Inter Railway Interchange Traffic. • Weighment of Rakes. • MIL RAIL • Permissible Axle loads & Heavy Haul Operations. • Payload to Tare Ration of Wagons. 	NFR

9.	<p>FREIGHT TRAIN OPERATIONS</p> <ul style="list-style-type: none"> • Relevant rules and Important Policy guidelines. • C&W Examination for Intensive, Round Trips, Premium and Close Circuit Rakes. • Sick lines and TXR Depots Including POH&ROH Depots and their functions. Supply of Coaches/Wagons to C&W Shops for POH and special repairs. <p>Operating Statistics:</p> <ul style="list-style-type: none"> • 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. 	NWR
10.	<p>ACCIDENTS AND SAFETY ORGANISATION</p> <ul style="list-style-type: none"> • 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. 	SR
11.	<p>ACCIDENTS AND SAFETY ORGANISATION</p> <ul style="list-style-type: none"> • 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. <p>ACCIDENTS PREVENTION</p> <ul style="list-style-type: none"> • Psycho analysis in case of accidents attributed to human failures. • Improved mechanized aids to prevent human error like:- <ul style="list-style-type: none"> i. Improved signalling and inter-locking arrangement ii. SM's central and Inter cabin control over route iii. Track circuit and Axle counters iv. Route Relay Inter-locking v. Automatic cab warning system and automatic braking system. • Refresher Courses, Safety camps and campaigns. 	SCR
12.	<p>WORKING OF TRAINS GENERALLY AND GENRAL AND SUBSIDIARY RULES:</p> <ul style="list-style-type: none"> • 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 system of working of trains and Conditions for Granting LC. 	SER
13.	<p>WORKING OF TRAINS GENERALLY AND GENRAL AND SUBSIDIARY RULES:</p> <ul style="list-style-type: none"> • Classification of Stations, Standard of Interlocking, Signaling systems, Equipment & their working. 	SECR

	<ul style="list-style-type: none"> • Station Working Rules and Block Working. • Level Crossings. • 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 System along with Continuity Test. • Precautions to be taken on Ghat Sections. <p>PLANNING ON THE RAILWAYS</p> <ul style="list-style-type: none"> • Set up & Functions of Planning Wing on IR. • Corporate Plan and Annual Plan. 	
14.	<p>WORKING OF TRAINS GENERALLY AND GENERAL AND SUBSIDIARY RULES:</p> <ul style="list-style-type: none"> • Line capacity and measures for augmenting it MAUQ, Token less working, Centralised Traffic Control, Doubling, Automatic Block, IBS/IBH. 	SWR
15.	<p>PASSENGER TRAINS OPERATION</p> <ul style="list-style-type: none"> • 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 method of improving the Punctuality. 	WR
16.	<p>PASSENGER TRAINS OPERATION</p> <ul style="list-style-type: none"> • Augmentation of train loads for meeting traffic requirements. • Running of Tourists coaches, Special carriage 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/Guard Links & Rake Links. • Commuter Service Operations. 	WCR