



No WCR/PHQ/GAZ/Selection/AOM/ATM/Gr 'B'/LDCE/2022

Dated 14.07.2022

PCOM, PCCM, SDGM
DRM (P) - JBP, BPL, KTT
Sr. DOM - JBP, BPL, KTT
Registrar/RCT/BPL

Sub:-	<i>Selection for promotion from Group 'C' to Group 'B' for the post of AOM/ATM (Level-8) Operating Department (30%-LDCE Quota).</i>
Ref: -	(i) LGS Notification issued vide this office letter No. WCR/PHQ/Gaz/selection/(AOM/ATM)/Gr-B/70%-LGS/2022 dated 14/7/2022 (2) Railway Board's letter no. E(GP)/2022/2/4 dated 28/6/2022

Applications are hereby invited for promotion to AOM/ATM-Group 'B' posts against LDCE - 30% Notification from eligible candidates.

In continuation to LGS notification, it is proposed to conduct Limited Departmental Competitive Examination for the purpose of promotion from Group 'C' to Group 'B' post of AOM/ATM [Level-8] against 30% LDCE quota in Operating Department as per selection procedure laid down in Railway Board's letter no. E(GP)88/2/111 dt. 20.08.1991, E(GP)2019/2/5 dt.08.07.2019 (Master Circular 68), E(GP)/2018/2/31 dt. 19.03.2019 & E(GP)/2022/2/4 dt. 28/6/2022 and extant provisions.

1. VACANCIES and RESERVATION:-

The particular of the total number of vacancies assessed against LDCE quota for promotion to the Gr. B post of AOM/ATM in Level-8 are given below :-

Post	UR	SC	ST	Total
AOM-30% LDCE	01	00	00	01

2. ELIGIBILITY CONDITIONS:-

- A. Group 'C' employees who are working in substantive post of **Non-ministerial Staff of Operating Department including traffic running** in Pay Matrix Level-6 and 7 will be eligible to appear for the selection for the post of AOM/ATM against 30% LDCE quota, provided they have **rendered not less than 5 years of non-fortuitous regular service in Level-6 or rendered not less than 5 years of non-fortuitous regular service in Level-6 & Level-7 put together**, including regular service rendered in the corresponding pre-revised grade as on **14.07.2022**.

- B. For running Staff :-** In terms of Railway Board's letter no. E(GP)2005/2/87 Dt. 18.08.2015(RBE No. 92/2015), Goods Guard (re-designated as Goods Train Manager Vide RBE No. 07/2022) having GP- 2800/ Level-5 of 7th CPC Pay Matrix are also eligible for applying to this selection.

Note-

- i. Staff whose lien is maintained in W. C. Rly. are only eligible.
- ii. Eligible staff on deputation, training and any Ex-cadre Organization and having lien and seniority in WCR, who desire to volunteer for the above LDCE may submit their application through proper channel i.e. their respective Personnel Deptt. officer, where they hold lien.
The concerned Division/Unit should send copy of notice to the staff who are on ex-cadre post/deputation after being released from last Division/Unit.
- iii. Those Group C employees who have been given financial upgradation in Level-6 under MACPs are not eligible to volunteer for the above (LDCE) written examination.
- iv. In terms of Railway Board's letter no. E(NG)I-93/PM1/4 Dt. 18.01.1993, time spent by the Railway servant under training immediately before appointment to regular service will be counted as service for the purpose of LDCE.
- v. As per Railway Board's letter No. E(NG)I-2006/PM1/5 dt. 21.03.2006(RBE No 34/2006) and E(GP)2005/2/74 dt. 13.03.2008 (RBE 40/2008), in case of persons transferred at his own request to a new unit in the same category of post and assigned bottom seniority therein, the service rendered by them in the previous unit may be reckoned for determining their eligibility wherever a minimum length of service which is so allowed to be counted does not exceed the length of service of their immediate senior in the new unit and this benefit of counting of service will be applicable only in those cases where the staff join the new unit on request transfer in the same category of posts. For other cases the length of service shall be derived on the basis of the dates in the seniority list in the relevant grade.
- vi. Those employees who have been transferred on own request/mutual transfer and joined in WCR after the cutoff date **14.07.2022** shall not be eligible for the selection.
- vii. As per Railway Board's letter No. E(GP)/99/2/22 dated 03.10.2006 (RBE-144/2006) & E(GP)/99/2/22 dated 21.11.2006 (RBE No. 173/2006), the provisions of Chapter-II of Indian Railway Establishment Manual, Vol-I (including para 203.2) are applicable only to 70% of selection and **not to 30% LDCE** i.e. if the junior is eligible, senior employee will not be eligible unless he is also fulfilling the conditions of eligibility of 5 years non-fortuitous service in LDCE.

3 Submission of application :

Employees eligible as per the above eligibility conditions should submit their **applications in triplicate (03 copies) in the proforma attached** on or before **29.07.2022** to their immediate supervisor and obtain his acknowledgement including serial number of entry of registration of their applications.



The applications so received should be entered serially by the Supervisor in the register to be opened for the purpose and the serial number should be mentioned while giving the acknowledgement to the employee. One copy of the application may be retained in his office and the remaining two copies forwarded to the concerned Personnel Department of the division (DRM/P). It is the responsibility of the immediate supervisor to ensure that the applications reach to the Personnel Department (DRM/P) on or before **01.08.2022** and acknowledgement is obtained. A specimen form marked 'A' of the register to be maintained in the office of the immediate supervisor/unit in-charge is enclosed.

The unit in-charge will arrange to register the application so received and 2 copies be forwarded to concerned personnel Department of Division/HQ (as the case may be) through per bearer along with **soft copy in Excel Sheet as per the proforma given below** and with covering letter mentioning names of candidates applied for.

4 Scrutiny :

It is the responsibility of the Personnel Officer of divisions/units to certify the correctness of the eligibility of candidates for admission to the examination. The Personnel Officer in the Division/HQ (as the case may be) will scrutinize the correctness of the eligibility as per the Service Record maintained by them and as per the conditions laid down in the Notification.

The concerned Personnel Officer should ensure that all the columns of the enclosed proforma are properly filled in before sending the statement to this office. **Signature and date both are compulsory otherwise applications are liable to be rejected.**

Each excel Sheet in proforma should be signed by the concerned Personnel officer.

Excel Sheet Proforma

S.	Name (S/Shri)	Desig.	Community	Deptt.	Division	DOB	DOA	DOP in 9300- 34800 GP: 4200 (Level 6)	DOP in 9300- 34800 GP: 4600 (Level 7)
						DD/MM/YYYY	DD/MM/YYYY	DD/MM/YYYY	DD/MM/YYYY

After scrutinizing the application, the concerned Personnel Officer of Division/Workshops/HQ will send one copy of only the eligible application to HQ Personnel Department, Gazetted Section in one bunch (No piecemeal application should be sent) along with the list in the prescribed proforma in excel Sheet (Hard & Soft copy) before the due date and ensure that these applications reach Dy.CPO(G)/JBP/HQ Office/WCR by 05.08.2022. Any application received after the cut-off date should be summarily rejected by the Personnel Officer concerned.

Names of those staff who have not fulfilled the eligibility criteria as mentioned above need not be forwarded.

A list of not eligible candidates should be prepared by the divisions showing the reasons for ineligibility and the same should be duly be communicated and modification, if any, on this account may be communicated before **10.08.2022**.

Under no circumstances, applications will be accepted after the due date.

It may also be noted that application other than in prescribed proforma, having incomplete information or without signature of controlling officer and countersigned by Personnel Department officer will not be entertained. Further, incomplete statements furnished by the divisions/units will not be entertained.

5. Pre Promotional Training:

As per para 2(ii) of RBE No. 142/2019, Pre selection training is not required if there is no reserved vacancy and candidates are appearing in selection/LDCEs against unreserved vacancies.

6. SCHEME OF EXAMINATION:

- A. The examination will consist of
- I. Written examination (CBT) –In terms of Railway Boards L. No. E(GP)2022/2/4 dated 28.06.2022, Board has decided to introduce Centralized Computer Based Objective Type examination.
 - II. LDCE will be one stage only and will comprise of only 1 (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 Question of 15 marks on Official language Policy & Rules	40 marks
(a)(iii)	Establishment and Financial Rules:	30 marks
(b)	Qualifying marks	90
(c)	Duration	3 Hours

- III. Question Paper will have 175 Questions out of which 150 questions are to be attempted.
- IV. 1 mark will be allotted to every correct answer. **There shall be negative marking for incorrect answers and one third of marks deducted for each questions for every wrong answer.**



B. RECORD OF SERVICE AND VIVA-VOCE

	Max. Marks	Qualifying Marks
1) Viva-Voce	25	30 (Including at least 15 marks in the record of service part)
2) Record of service	25	

(Railway Board's letter No E (GP)/2005/2/69 dated 05.01.06)

C. Medical Examination

The candidates who qualify in the written test will be subjected to medical examination as per Para 530(a) & 532 (i) of IRMM Vol. I 2000 (IIIrd Edition) and only those candidates who are found medically fit will be allowed to appear for Viva-Voce as per extant rules.

D. Selection/promotion will be subject to the outcome of main SLP (C) 4831 of 2012 and Contempt Petition (C) No 314 of 2016 filed in the same SLP pending before the Hon'ble Apex Court and Railway Board's orders.

7. SYLLABUS:

A copy of Railway Board letter No. E(GP)2004/2/90 dated 28.02.2007(RBE No.16/2007) of syllabus for the selection is enclosed for information and guidance.

8. TENATATIVE CALENDER:

Date of notification	14.07.2022
Last date of submission of application in units	29.07.2022
Last date of receipt of application in Personnel department of concerned unit	01.08.2022
Last date of receipt of application in HQ	05.08.2022
Provisional list by HQ	12.08.2022
Final list by HQ	16.08.2022
Date & Venue of written test	Will be notified later

9. IMPORTANT INSTRUCTIONS:

- (i) The original updated SRs and APARs for the last five years (duly enclosing the acknowledgement having received the copies of APAR for each year) of the employees may be kept ready by concerned Sr.DPO/ Controlling Officer for immediate transmission to this office whenever called for.
- (ii) No leave of any kind should be granted to these employees which may result in their absence in the examination. They should not be sent on line duty.



10. All units should ensure that the notification is noted by the employees working under them and copy of the said notification may be placed on notice board, training centre and other important places. If any of the employee of the Division/Unit are on deputation or working against ex-cadre post and whose lien are maintained by this Railway, their present controlling officers should be advised to inform the candidates about the selection provided they fulfill the conditions. Staff should keep themselves in readiness for the written examination, even at a short notice.

The concerned Sr.DOMs are advised to give wide publicity to the Notification at all major units under their jurisdiction.

Sr.DOMs are advised to submit an undertaking that the Notification has been served at all major units where eligible staff are available. This should be confirmed by Dy.COM(FOIS) who shall be the overall coordinating officer at zonal level.

This notification can also been seen in the WCR website with the address 10.150.2.19. All the Divisions/Units & applicants are advised to regularly visit WCR website (address 10.150.2.19) for updates in the matter.

Please acknowledge receipt of this letter.

Enclosed : 12 Pages.


14/7/2022

(Anil Kumar Sinha)
Assistant Personnel Officer (Gaz)
For PCPO/WCR, JBP

Copy to:

Secretary (E) Ministry of Railway, Railway Board, New Delhi.
Secretary to GM/WCR & AGM/WCR for information.
Genl.Secy./WCRMS, WCREU, Zonal Genl. Secy.
All India SC/ST & OBC Employees Association JBP. For information.

WEST CENTRAL RAILWAY
PROFORMA

12

(It is mandatory to fill each and every column with correct information.)

Application for **AOM/ATM** Post Group 'B' 30% LDCE Examination in the **Operating Department**
(Ref: PCPO/WCR/JBP's L.N.- WCR/P-HQ/GAZ./Selection/(AOM/ATM)/Gr. B/LDCE/2022 Dt. 14.07.2022)

1	NAME IN FULL (BLOCK LETTER)	
2	Designation	
3	Working under	
4	Divn. /Unit where lien held	
5	PF No./ NPS No.	
6	Date of Birth	
7	Date of Appointment to Railway Service a) Designation b) Grade Rs. (RSRP)	
8	Length of service in Level-06 and Level-07 (As on 14.07.2022)	
9	Date of appointment/promotion to grade Rs. 5000-8000/ GP 4200/Level-6.	
10	Date from which working in regular basis Rs. 5000-8000 / GP4200 / Level 6 (As on 14.07.2022)	
11	Total Non fortuitous service in Gr.Rs.5000-8000/ GP-4200/Level 6	
12	Date of appointment/promotion to grade Rs. 6500-10500/GP 4600/Level 7 on regular basis	
13	Community (SC/ST/UR)	
13	Educational/Technical Qualification	
14	Mob. No.	

*Note- In case of transfer from other Railway to WCR, please specify the date of joining in WCR.

Signature of the applicant: _____

Date:- _____

Name of the applicant: _____

Memo No.

(Forward Controlling Officer)

Paste Passport
size Photograph
here (Photo
Attested with
Controlling
officer.)

Office of _____

Place :

Signature of the
Immediate Supervisor with date

Place :

Date :

Memo No.

Office of _____

Place :

Forwarded to Principal Chief Personnel Officer, West Central Railway, Jabalpur. The particulars given above by the employee have been scrutinized and found correct & the above named employee is eligible to appear for the **AOM/ATM, 30% LDCE** as per the condition laid down in the notification.

Date:- _____

Signature of the
Sr.DPO/DPO/SPO/APO

WEST CENTRAL RAILWAY

FORM OF REGISTER TO BE MAINTAINED IN THE OFFICE OF THE IMMEDIATE SUPERVISOR REGARDING 30% LDCE OF OPERATING DEPARTMENT.

.(Ref: PCPO/WCR/JBP's L.No-WCR/P.HQ/GAZ/Selection/(AOM/ATM)/Gr.B/LDCE/2022 Dated-14.07.2022)

Sr.No.	Name of the employee	Designation	Place of work	Letter No.,Sr.No. & Date under which the application has been received in the office from the Immediate supervisor.	Date of receipt of the application in the office of the (DRM/P)/APO(Adm n.)/HQ with ref.to Col.5	Sr.No. of the registration and date by which application is forwarded to PCPO/WCR
1	2	3	4	5		6

WEST CENTRAL RAILWAY

FORM OF REGISTER TO BE MAINTAINED IN THE OFFICE OF THE DRM(P)/APO-Admn./HQ REGARDING 30% LDCE OF OPERATING DEPARTMENT.

.(Ref: PCPO/WCR/JBP's L.No-WCR/P.HQ/GAZ/Selection/(AOM/ATM)/Gr.B/LDCE/2022 Dated-14.07.2022)

Sr.No.	Name of the employee	Designation	Place of work	Letter No., Sr.No. & Date under which the application has been received in the office from the Immediate supervisor.	Date of receipt of the application in the office of the (DRM/P)/APO(Admn.)/HQ with ref.to Col.5	Sr.No. of the registration and date by which application is forwarded to PCPO/WCR
1	2	3	4	5	6	7

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

RBE No.: 16/2007

No. E(GP)2004/2/90

New Delhi, dt: 28.02.2007

The General Managers,
All Indian Railways and Production Units.

Sub: Syllabus for selection from Group 'C' to Group 'B' posts in the
Traffic (Transportation & Commercial) Department of Railways.

Ref: Railway Board's letter No. E(GP)79/2/30/2 dated 16/1/1981.

A revised syllabus for Limited Departmental Competitive Examination (LDCE) for promotion from Group 'C' to Group 'B' posts in Traffic (Transportation & Commercial) Department of Railways is enclosed herewith for guidance. The revised syllabus may be given wide publicity and circulated amongst the eligible candidates.

2. The revised syllabus will be effective from the date of issue of this letter. However, selections which are under process at an advanced stage, need not be disturbed.

3. Please acknowledge receipt.

Encl: As above

Santosh Mittal
(SANTOSH MITTAL)
Dy. DIRECTOR, ESTT.(GP)-II
RAILWAY BOARD

No. E(GP)2004/2/90

New Delhi, dt: 28 .02.2007

Copy for information and necessary action to

- (1) The Director General & ex-officio General Manager, R.D.S.O., Lucknow.
- (2) The CAO, DCW, Patiala
- (3) The CAO, MTP(Rlys.), Mumbai and Chennai
- (4) The Chairman, Railway Recruitment Board:
Allahabad/Ahmedabad/Ajmer/Bangalore/Bhopal/Bhubaneshwar/Kolkata/
Chandigarh/Chennai/Gorakhpur/Guwahati/Jammu&Srinagar/Malda/
Mumbai/Muzaffarpur/Patna/Ranchi/Secunderabad/Trivendrum.
- (5) The Director General, Railway Staff College, Vadodara.
- (6) The Director IRISSET, Secunderabad/IRIMEE.
Jamalpur/IRIEE, Nasik,/IRICEN, Pune/IRCAMTECH, Gawalior.
- (7) The Railway Liaison Officer, Jeevan Tara Building, Parliament Street, New Delhi.
- (8) The General Secretary, IRCA, New Delhi.
- (9) The C.A.O, COFMOW, Rly. Offices Complex, Tilak Bridge, New Delhi-110002.
- (10) The Secretary, Railway Rates Tribunal (Chennai), 50 MC.Nichola Road, Chetput, Chennai.
- (11) The Exec.Director, CRIS, Safdarjung Rly.Stn.Building, Chanakyapuri, New Delhi.
- (12) The Director (Movement), Railways 17 N.S.Road, Calcutta.
- (13) The Joint Director (Iron & Steel) 3 Koilaghat Street, Calcutta.

Santosh Mittal

(SANTOSH MITTAL)
Dy. DIRECTOR, ESTT.(GP)-II
RAILWAY BOARD

No. E(GP)2004/2/90

New Delhi, dt: 28.02.2007

Copy forwarded to:

1. The General Secretary, All Indian Railwaymen Federation, Room No. 253, Rail Bhavan, New Delhi (35 copies).
2. The General Secretary, National, Federation of Indian Railwaymen, Room No. 256-E, Rail Bhavan, New Delhi (35 copies)
3. All Members, Departmental Council and National Council and Secretary, Staff Side, National Council, 13-C, Ferozshah Road, New Delhi (90 spares)
4. The Secretary General, Federation of Railway Officers Association, Room No. 256-A, Rail Bhavan, New Delhi (5 spares)
5. The Secretary General, Indian Railway Promotee Officers Association, Room No. 268, Rail Bhavan, New Delhi (35 spares)
6. The General Secretary, All India RPF Association, Room No. 549, Rail Bhavan, New Delhi-110001.
7. Railway Board Secretariat Staff Association.

Handwritten signature
For Secretary/Railway Board

Copy to:

PSs to MR, MSR(N), MSR(V)

Sr.PPSs to CRB, FC, MS, MM, MT, ML, ME

PPSs to Secretary, DG/RHS, DG/RPF

PPSs to all Addl. Members.

Dy. C&AG(Railways), Room No. 222, Rail Bhawan.

PSs to Adv.(Staff), Adv.(Vig.), , EDE, EDA, EDE(N), EDE(Res), JS, JS(E), JS(G), ED(E&R), EDE(GC), EDV(E), ED(Signal), EDV(S), EDF(E), ED(T&MPP), EDE(RRB), EDPC-I, DV(P), DE(L), DE(Res), DE(G), D(IH), JD(MPP), JDE(R)I&II, JDE(Rep)I&II, JDE(D&A), JDE(P&A), DPCI&II, JDE(L), JDE(N), JDE(N)II, JDE(N)III, DDF(E)I, DDF(E)VI, DDV(A&P), E(NG)I, E(O)III, DDRS(G), DDE(LR)I, Sec(E), PC-III, IV & V, E&R, E(Trg.), E(MPP), V(SS), E(SCT)I&II.

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

A. TRAFFIC (TRANSPORTATION):

PAPER-I:

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.

Contd...2/-

- 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.

I/I. 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.

Contd...3/-

- 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.

Contd...4/-

- 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.

Contd...5/-

PAPER-II**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.

Contd...6/-

- 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.

Contd...7/-

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.