

AOM Selection-LDCE-30%

Paper-I(Part-A)

- Q.1. Describe the Control Organization and its functions.
- Q.2. Which situations warrant introduction of Temporary Single Line Working on a double line section ? What are the rules for running trains in such a situation ? Are the rules different for daytime & night time ? Explain.
- Q.3. How can pre-departure detention be reduced ? What steps can be taken to reduce the detention of wagons in marshalling yards.
- Q.4. Very often it is stated that operating ratio is not a measure of the efficiency of operating staff. Discuss
- Q.5. Indian Railways have a 3 tier organization; describe the organizational set up.
- Q.6. Differentiate between the following:
- i) RMS & TMS
 - ii) EOL & MGR
 - iii) NTKM & GTKM
 - iv) FOIS & COIS
 - v) Pay load & tare Weight
 - vi) Electronic in-motion weighbridge & mechanical weighbridge.
 - vii) Mechanized loading & Manual loading
 - viii) Pilot to pilot system & fixed free time
 - ix) Wagon load traffic & Rake load traffic
 - x) Round trip BPC & End-to-End BPC.
 - xi) ROH & POH
 - xii) Twin Pipe & Single Pipe Operation
- Q.7. Write short notes on
- i) Wagon Turn Round
 - ii) CONCOR
 - iii) EOL Scheme
 - iv) FOIS
 - v) Operating Ratio
 - vi) Round Trip
 - vii) Catch Siding
 - viii) CC+8+2
 - ix) Integrated Blocks
 - x) Wagon Km Per Wagon Day on line
 - xi) Average lead
 - xii) Rake Management System(RMS)
 - xiii) MGR
 - xiv) Unigauge

- xv) Own your Wagon Scheme
- xvi) Terminal Yard
- xvii) Authorized Officer
- xviii) Premium registration Scheme
- xix) C.C Rake
- xix) Engine Km. Per Engine Day in use
- xx) Preferential traffic schedule
- xxi) Rationalization order for routing of traffic.

Paper-I(Part-B)

- Q.1(a) Write a short note on the Official Language Rules,1976.
- (b) What is working knowledge of Hindi ?
 - (c) How can the use of Hindi be improved on the IR ?
 - (d) As per the Official Language Rules, 1976, in which script Hindi is to be written.
 - (e) When is the Hindi Day celebrated?

- Q.2(a) Match the following_:

Saina Nehwal	Film making
Ashes	Table Tennis
Kim Clisjsters	Cricket
Shakespeare	Boxing
Kalidas	Industry
Rahul Bajaj	Badminton
Jairam Ramesh	Tennis
Bismilla Khan	Music
Shekhar Kapur	Poetry & Drama
	Meghadoot
	Tapes
	Environment

- (b) Match the following:

Bulla Choudhury	Cricket
Milkha Singh	Cinema
Vijay Singh	Sitar
Theodore Roosevelt	Tennis
Ravi Shankar	Polities
Ricky Ponting	Athletics
Mary Piece	Swimming
Paris Hilton	Golf
Ratan Tata	Badminton
Wayne Rooney	Poetry
	Industry
	Football

Q.3. Write short notes on:

- (a) Disaster Management,
- (b) CWG scam,
- (c) Rising Prices,
- (d) UNO
- (e) Constitution of India.
- (f) Outsourcing
- (g) ISO Certification
- (h) Security Council
- (i) Sovereign State
- (j) Inflation
- (k) Swadeshi movements
- (l) Article 370
- (m) Article 356
- (n) Quit India Movement
- (o) SAARC

Q.4(i) Write the full forms of the following:

(a) UNESCO, (b) POSCO, (c) NHAI, (d) UPS, (e) RVNL, (f) NASA, (g) ASEAN, (h) NCERT, (i) RITES, (j) AIDS, (k) FCI, (l) SAIL, (m) TISCO (n) RBI

(ii) What is ailing Indian Hockey? How, in your opinion, the lost glory can be retrieved?

Q.5. Name of the following:

- (a) 1st President of India National Congress
- (b) Governor of RBI
- (c) 1st. President of Indian Republic
- (d) Laid the foundation stone of British East India Company.
- (e) 1st. Viceroy of British India

Q.6. Write State Capitals:

(a) Vietnam, (b) China, (c) France, (d) Australia & (e) South Africa

Q.7. Write the currency of the following:-

(a) UAE, (b) USA, (c) Russia, (d) Japan & (e) Germany

Q.8. Who wrote the following books:

(a) Gitanjali, (b) Discovery of India, (c) Julius Caesar, (d) Tale of the two cities & (e) Man Eater of Kumaun.

Q.9. Who invented/Discovered the following:

Telephone, TV, USA, Penicillin & North Pole

Q.10. Year /Date

Battle of Palassy, Constitution of Running First Railway train in India, Children's day, Teacher's day & Martyrs' day

Q.11. Please inform the following:-

- (a) No. of zonal Railways in Indian Railway
- (b) Head Quarter of RDSO
- (c) Location of Wheel & Axle plant
- (d) CCRS stands for
- (e) What does RCF manufacture?

Q.12 How is tourism important for the image of our country which has several great

- (a) places to visit ?
- (b) Write about 500 words on any place of tourist importance on ECoR.

Paper-II(Part-A)

- Q.1. What is difference between “ through put” & “line capacity” ? What steps are to be taken to increase both ? Explain each separately.
- Q.2. Define line capacity. How is it calculated ? Explain at least two methods. What measures will you take to increase line capacity of a single line section ?
- Q.3(a) What is Pre-departure detention ? Suggest five steps in reducing it effectively.
(b) Describe five such reasons as cause loss of punctuality of passenger trains. What steps would you take in improving the punctuality in your division.
- Q.4(a) Do you agree that most of the accidents on IR are due to human error ? What steps would you suggest to minimize the accidents due to above reasons ?
(b) What are the duties of AOM at the site of accident involving a passenger train ? Describe.
- Q.5. What are the main factors, which affect punctuality of passenger carrying trains? What are your suggestion to improve the same?
- Q.6. Enumerate factors affecting “ Punctuality”. How will reduction of speed difference between goods train and passenger trains improve better running ? What are the problems being faced in running of 24 bogies coaching train ?
- Q.7. What are the probable causes of Head On Collision in mid-section(single line section) & at a station(double line section) ?
- Q.8. What are the factors which effect punctuality of trains. What special steps will you take to improve the punctuality performed in your division.
- Q.9. You are the first officer who reached the site of accident of goods train on double line section. What steps you will take for restoration of track.
- Q.10. Human failures are the cause of the most of the accidents in the Railways. What steps should be taken to reduce the incidents of accidents due to human failure ?
- Q.11. What measure can you recommend short trains as well as long trains for increasing the throughput on single line section.
- Q.12. Distinguish the following:
(a) Manned & Unmanned LC Gates
(b) ART & ARME

- (c) Combined Train Report & Vehicle Guidance
 - (d) Booked Speed & Max. Permissible Speed
 - (e) TALQ & MACLS
 - (f) CAL & CSL
 - (g) Maximum Permissible Speed & Booked Speed
 - (h) Temporary speed restriction & Permanent speed restriction
 - (i) Prohibited train & restricted train
 - (j) Non-Interlocked station & Modified Interlocked station
- Q.13. Write short notes on:
- (a) ODC
 - (b) CCRS,
 - (c) Classification of Stations
 - (d) Interlocked Level Crossing Gates
 - (e) Other Coaching Vehicle
 - (f) Millennium Parcel Service
 - (g) Substitute for signal overlap
 - (h) SSI
 - (i) IBH
 - (j) Automatic Signaling
- Q.14. Describe the following:
- (a) Rout Relay Interlocking
 - (b) Accident Manual
 - (c) Types of accidents
 - (d) Classification of Stations
 - (e) Modern (Advanced) Signaling System
 - (f) Working Time Table
 - (g) Rake Links
 - (h) Track Circuiting
 - (i) Isolation

Paper-II(Part-B)

- Q.1. What is HOER ? Describe at least two of its classifications in detail.
- Q.2. Which situations warrant issuance of Major Penalty Charge Sheet ? List out the Major & Minor penalties under D&A Rules in order of descending severity.
- Q.3. What is DCF technique ? How is ROR of a Project calculated ?
- Q.4. Write short notes on:
- (a) Apportioned earnings
 - (b) August Review
 - (c) L A P

- (d) Stock Sheets
- (e) Rate of Return
- (f) Average Lead
- (g) Corporate & Annual Plan
- (h) Medical decategorisation
- (i) Admitted Debits
- (j) Safety Surcharge
- (k) Operating Ratio
- (l) D R F
- (k) Carried earnings
- (m) Gratuity
- (n) N B R
- (o) Works Programme
- (p) Human Resource Development (HRD)
- (q) Stock verification
- (r) Machinery Plan Programme

Q.5. What do you understand by Cannons of financial propriety as an AOM, in what areas of activity the above concept be relevant ?

Q.6. Distinguish between:

- (a) Strike-lockout
- (b) Revenue-Capital Expenditure
- (c) Major-Minor penalty
- (d) Removal-Dismissal
- (e) Earned and Medical leave

Q.7. Describe the procedure to be followed for imposing major penalty for removal from service on a permanent railway employee.