



भारत सरकार-रेल मंत्रालय
GOVT.OF INDIA-MINISTRY OF RAILWAYS
भारतीय रेल सिग्नल इंजीनियरी और दूरसंचार संस्थान
INDIAN RAILWAYS INSTITUTE OF SIGNAL ENGINEERING AND TELECOMMUNICATIONS,
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TARNAKA ROAD, SECUNDERABAD- 500017 (INDIA)

No.Trg /Modules/Version-4

Date: 03.09.2024

PCSTEs
All Zonal Railways

Sub: Revised Training Module of Refresher Course for SSE/JEs (Telecom)
Ref: This office letter of even number dated 11.01.2022

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The approved Training Module of Refresher Course for SSE/JEs (Telecom) circulated to Zonal Railways vide references quoted above is reviewed. The revised training module incorporating the changes is enclosed herewith. This module comes into effect from the next Refresher Course for Telecom Supervisors.

This has the approval of Director General, IRISSET. The updated Training Module is placed under Training Modules of Course Calendar Section of IRISSET Intranet Website.

(सी.नीलकंठा रेड्डी)
(C.Neelakanta Reddy)
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कृते निदेशक for Director General

Encl: As above

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REVISED TRAINING MODULE OF
REFRESHER COURSE ON TELECOM FOR SSE/JE (TELE)

Programme Summary

Sl No.	Details	Existing Hours	Proposed Hours
1	Briefing, Registration & OHD	02	02
2	Theory	71	64
3	Practicals	30	35
4	* Theory Examination	03	03
5	Miscellaneous (Project Case Studies/Experience Sharing)	08	04
6	Local Visit	00	04
7	CD Spare/Holiday/Library	06	08
TOTAL		120	120

*** Note:-01 Hr for Moodle Practice**

A: Summary of Evaluation

There is no change in the duration and maximum marks of the theory examination.

Sl No.	Topic	Hours	Existing Marks	Revised Marks
1	Theory Exam (Objective-70% & Subjective-30%)	02	100	100
2	Organizational Skills (50% weightage for writing Skills and 50% weightage for oral skills)	---	50	25
3	Trainees' s participation in extra-curricular activities	---	50	25
TOTAL			200	150

B: THEORY

Sl. No.	Sub. Code	Subject	Existing Hrs	Proposed Hours	Existing Marks	Proposed Marks
1	TB1	Telecom General	2	2	05	05
2	TC1	Telecom Cables (Copper)	2	2	00	05
3	TC3	Passenger Information System	2	2	05	05
4	TC4	Power Supply Arrangement	4	2	10	05
5	TC5	Earthing & surge protection for Telecom. Installations	2	2	05	05
6	TC6	Train Traffic Control	2	2	05	05
7	TCS4	ISDN Exchange, IP telephony and Advancements	4	2	10	10
8	TCT3	Programmable Digital Drop-Insert E1 PDH Equipments	2	2	05	05
9	TCT4	OFC Systems	3	3	05	05
10	TCT6	SDH Equipments	4	2	10	10
11	TA1	Mobile Communication	4	2	10	10
12	TA2	Data communication & Networking/security/NGN	6	4	10	10
13	TA5	LTE	4	4	10	10
14	TA6	IP-MPLS	4	4	10	10
15	ST1	Signaling for Telecom Supervisors				
		(A) Basics	2	3	00	00
		(B) Safety practices & Rolling Block	0	4	00	00

Sl. No.	Sub. Code	Subject	Existing Hrs	Proposed Hours	Existing Marks	Proposed Marks
16	G3	(A) Disaster Management & Accident Communication	4	2	00	00
		(B) Joint Findings of Accident enquiry	0	2	00	00
17	G4	Establishment & DAR	6	3	00	00
18	G5	Accounts & Stores	6	4	00	00
19	G6	Tenders & Contracts	4	3	00	00
20	G7	Vigilance	2	2	00	00
21	G8	Quality & Reliability Standards	2	2	00	00
22	S28A	Kavach	0	4	00	00
Total			71	64	100	100

C: PRACTICALS

SI No.	Name of the Lab	Existing Hrs	Proposed Hrs
1	Train Traffic Control Lab	2	2
2	Out Door Telecom (Cables) Lab	2	2
3	Passenger Information System Lab	2	2
4	Telephony Lab	6	6
5	Transmission Lab		
	(a) OFC transmission systems	10	8
	(b) ART	0	1
6	Networking Lab		
	(a) Networking	8	4
	(b) IP - MPLS	0	4
7	Kavach Lab	0	2
8	Electrical Signalling Lab	0	2
9	LTE Lab	0	2
TOTAL		30	35

D: Theory Examination

Exam	Type	Subjects	Marks	Hrs	Remarks
1	Subjective	TA2,TA5 & TA6 (Each Subject 10 Marks)	30	01	There is no change in the duration and maximum marks of the examination.
2	Objective	TB1,TC3,TC4,TC5,TC6,TCS4, TCT3, TCT4 ,TCT6 & TA1	70	01	
Total			100	02	

E: Miscellaneous

SI No	Details	Existing Hrs	Revised Hrs
1	Project Case Studies/Experience Sharing	08	04

F: Local Visit

SI No	Details	Existing Hrs	Revised Hrs
1	Local visit	00	04

G: CD Spare /Holiday/Library

SI No	Details	Existing Hrs	Revised Hrs
	Holidays, Library, Shramdaan, Social service, Stress Management, Extra hours for any subject etc	06	08