

1/3055614/2022 **Time Table of “Fundamentals of Digital Communications Technologies ” module for JTO- 2020 Batch Probationers, 15th August-26st August, 2022, Week 1/2**

Date/Time	09:30-10:30	1030 1045	10:45-11:45	1145- 1200	1200-1300	1300- 1400	1400-1500	1500 1515	1515-1615	1615- 1630	1630-1730
Monday 15.08.2022	Independence Day	Tea Break	Independence Day	Break	Independence Day	Lunch Break	Independence Day	Tea Break	Independence Day	Tea Break	Independence Day
Tuesday 16.08.2022	PSTN: An Overview Sh. Raju Sinha, DG NTIPRIT		Analog vis-à-vis Digital Communication, Basics of Speech Signal Processing Sh. Subhash C. Kesarwani, Dir (NGS)		OSI Layer, IP4 and IPv6 Schemes: Sh. Subhash Chandra Kesarwani, Dir (NGS)		Concept of Digital Switching Sh. Jaipal Singh Tomar, Dir (Tx)		Concepts of Signaling Sh. Jaipal Singh Tomar, Dir (Tx)		Assignment Discussion
Wednesday 17.08.2022	Telecom Infra for 24*7 Telecommunication Services Sh. Jaipal Singh Tomar, Dir (Tx)		Electromechanical Infra for 24*7 Telecommunication Services Sh. Saurabh Chaturvedi, Dir (IM)		Overview of Green Telecom Sh. Subhash C. Kesarwani, Dir (NGS)		PSTN Access Network Elements (Cables, Cabinets, Pillars, DPs, MDF etc.) Sh. Dharmendra Yadav, Dir, NTI		Traffic Theory and Engineering (Erlang, BHCA, CCR, GoS, Jitter, Latency etc.) Sh. Dharmendra Yadav, Dir, NTI		Assignment: Self Study
Thursday 18.08.2022	ADSL Technologies Sh. Jitendra Garg, Director (PR), NTI		NNP and Management of Numbering Resources Sh. Subhash C. Kesarwani, Dir		NNP and Management of Numbering Resources (Including IN & 140 level) Sh. Subhash C.		Concept of NGN Sh. Subhash Chandra Kesarwani, Director (NGS)		Architecture of NGN Sh. Jay Pal Singh, AD (Tx & NGS)		Assignment: Self Study

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Friday 19.08.2022	Janmashtami Holiday		Janmashtami Holiday		Janmashtami		Janmashtami Holiday		Janmashtami Holiday	Janmashtami Holiday

Time-Table of "Fundamentals of Digital Communications Technologies" module for Induction Training of JTO- 2020 Batch Probationers, 15th August-26st August, 2022, Week 2/2- Transmission

Date/Time	0930-1030	1030-1045	1045-1145	1145-1200	1200-1300	1300-1400	1400-1500	1500-1515	1515-1615	1615-1630	1630--1730
Monday 22.08.2022	NGN Scenario in BSNL Sh. M K Mishra, DGM(Retd.)	Tea break	NGS: Convergence, Migration and Security issues Ms. Preetika , ADG, TEC	Break	Supplementary and Value-Added Services in Wireline and Wireless sector Sh. Deepak Sharma, Director, (FT), NTI	Lunch break	Visit to Rajnagar Telephone Exchange, RDC	Tea Break	Visit to Rajnagar Telephone Exchange, RDC	Tea Break	Visit to Rajnagar Telephone Exchange, RDC
Tuesday 22.08.2022	Overview of Optical Fibre Communications Sh. Subhash Chandra Kesarwani, Dir (NGS)		Evolution of Fibre media for high bandwidth transmission ITU specified Fibre. Sh. Subhash C. Kesarwani, Dir (NGS)		Law full interception Concepts Sh. S K Bhalla, DDG (Tx & NGS)		Digital Transmission and Multiplexing Technologies: An Overview- PDH systems Sh. Jaipal Singh Tomar, Dir (Tx)		Digital Transmission and Multiplexing Technologies: An Overview- SDH systems Sh. Jaipal Singh Tomar, Dir (Tx)		Assignment: Presentation

1/3053	Wednesday 24.08.2022	SACFA Sh. Jay Pal AD (Tx&NGS)	RoW Issues Sh. Subhash Chandra Kesarwani, Dir (NGS)	Frequency Allocation plan and Configurations Sh. Subhash C. Kesarwani, DIR (NGS)	WDM Overview Sh. Raju Sinha, DG NTIPRIT	WDM Elements Sh. Raju Sinha, DG NTIPRIT	Assignment: Presentation
	Thursday 25.08.2022	FTTx Concepts Sh. Raju Sinha, DG NTIPRIT	Fundamentals of Microwave Communications Sh. Jaipal Singh Tomar, Dir (Tx)	Fundamentals of Microwave Communications Sh. Jaipal Singh Tomar, Dir (Tx)	OFC, SDH and DWDM Lab Visit in ALTTC Faculty from Tx division ALTTC & Sh. Jay Pal Singh, AD (Tx & NGS)	OFC, SDH and DWDM Lab Visit in ALTTC Faculty from Tx division ALTTC & Sh. Jay Pal Singh, AD (Tx & NGS)	OFC, SDH and DWDM Lab Visit in ALTTC Faculty from ALTTC & Sh. Jay Pal Singh, AD
	Friday 26.08.2022	Overview of Towers, civil infrastructure, and Safety regulations Shri Subhash C. Kesarwani , Dir(NGS)	Radio Backhaul Spectrum Management -Spectrum Assignment Sh. Jaipal Singh Tomar, Dir (Tx)	Radio Backhaul Spectrum Management- Charging Sh. Jaipal Singh Tomar, Dir (Tx)	Test	Feedback & Valedictory	Feedback & Valedictory

Course Director: Sh. Jaipal Singh Tomar, DIR (Tx) and Sh. Subhash Kesarwani, DIR (NGN), NTIPRIT; Course Co-Ordinator: Sh. Jaypal Singh (9717940269), AD (Tx & NGS), NTIPRIT