



**No.2-16/2013-Pers-II**  
**BHARAT SANCHAR NIGAM LIMITED**  
[A Government of India Enterprise]  
CORPORATE OFFICE  
PERSONNEL -II SECTION

102-B, Statesman House, 148, Barakhamba Road, New Delhi-1.

August: 22 , 2014

To

All Heads of Telecom Circles  
All Heads of Telecom Projects/Regions  
All Heads of Maintenance  
CGM BRBRAITT, Jabalpur/CGM, ALTTC  
CGM, Kokatta Telephones/Chennai Telephones  
CGM ,QA/IN/IT/CTS Kolkatta/TF-Mumbai,Jabalpur,Kolkatta  
CGM NCES/BBNW/NETF  
Bharat Sanchar Nigam Limited

**Subject:- Limited Departmental Competitive Examination for promotion to the grade of Sub Divisional Engineer (Telecom) for vacancy years 2010-2011 onwards under 33% quota. -Regarding circulation of syllabus, Scheme, and minimum pass marks.**

Sir,

I am directed to convey the approval of BSNL Board on the modified syllabus of Paper I and Paper II for the LDCE for promotion to the grade of SDE(T) against 33% quota vacancies and forward the same for circulation among all concerned.

2.0 ELIGIBILITY:

The eligibility for appearing in SDE(T) Limited Departmental Competitive Examination shall be as defined in the SDE(T) Recruitment Rule.

2.1 The pattern of written Exam for promotion to the grade of SDE(T) is given below:-

Paper	Name of Paper	Pattern of exam	Maximum marks	Duration
I	General	* OMR evaluation basis. *Syllabus consists of 20 topics attached as Annexure "A". * No. Of questions=100	100	2 hours
II	Advanced Technical Special	*OMR evaluation basis * No. Of questions=100 *Consists of three optional streams such as CFA, CM , EB and one compulsory stream in the form of IT which is common and compulsory with one of the three streams opted by the examinees. * Stream wise topics /syllabus are enclosed as Annexure-"B". *Each stream opted for among CFA/CM/EB by the examinees will be of 80 marks and the rest 20 marks will be for compulsory IT subject.	100	2 hours

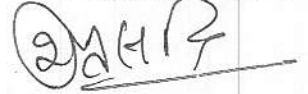
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2.2 MINIMUM PASS MARKS:

Minimum pass marks prescribed for each paper is 50% in respect of 'OC' candidate and 45% for 'SC/ST' candidate.

3. The exact date and timings of the examination along with relevant procedure to be followed shall be issued by DE cell of BSNL separately.
4. THIS LETTER MAY PLEASE BE GIVEN WIDE PUBLICITY.
5. The receipt of this letter may please be acknowledged.

Yours faithfully,



**(SHEO SHANKAR PRASAD)**  
**ASSISTANT GENERAL MANAGER (PERS-II)**  
Tel. No. 011-23037235

Encl: Syllabus of Paper I and Paper II. ( pages 05 )

Copy to:-

1. Sr.GM(Estt)/GM(Pers)/Addl(GM(Pers))/AGM(Pers-IV) Corporate Office
2. GM(IR)/DGM(DE)/ AGM(DE), Corporate Office – with the request to take further necessary action.
3. All GMs/DGMs, BSNL Corporate Office.
4. Director(Staff)/US(SGT), DoT, Sanchar Bhavan, New Delhi.
5. M/s TCIL, /BBNL, New Delhi
6. All Unions/Associations concerned.
7. OL Section for Hindi Version
8. Notice Boards
9. Spare/Guard File

Annexure-"A"


Syllabus of LDCE for promotion of JTO(T) to SDE(T) under 33% quota

PAPER-I

1. Group Performance Management system
2. Leadership and Team Building
3. Time Management
4. Capital Budgeting & Revenue Budgeting
5. Cost Management
6. Communication Skills
7. Energy Conservation and Fire Safety
8. RTI ACT 2005
9. Official Language Policy
10. BSNL CDA Rules
11. Gender Issues
12. Customer Care, Citizen Charter of BSNL
13. Sales Management
14. Services Marketing
15. Asset Management
16. Inspection and Quality of Service
17. ~~BSNL~~ BSNL Services
18. Staff Welfare
19. Reservation Policy
20. Contractual labour management





  
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C/S (2) JAR

'C.F.A'

Annexure 'B'

Annex B/1

**Syllabus for JTO to SDE 33% (CFA)  
Paper-II**

LIST OF TOPICS	
1	Circuit Switching
2	Signaling: CAS and CCS/SSTP
3	POI (Point of Interconnection)
4	Packet Switching
5	Routing Principle
6	Broadband and Multiplay
7	IPv6
8	Leased Lines: MPLS-VPN/MLLN
9	Overview of NGN & IPTAX
10	SIP & IMS (Session Initiation Protocol & IP Multimedia Subsystem)
11	Landline VAS
12	CDR Billing
13	Project UDAN and DOSTI
14	NGN SDH and MSPP (Multi Service Provisioning Platform)
15	FTTH (WGPON) (GPON)
16	OSI Layers
17	LAN and VLAN
18	ADSL
19	Power Plant & SMPS modules
20	Data Centres
21	External Plant



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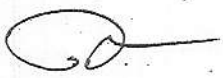
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"C.M."

Annex B/2

c/s @MAR

Syllabus for JTO to SDE 33% (CM) Paper-II	
LIST OF TOPICS	
1	GSM Mobile Communication-2G
2	GPRS & EDGE
3	GSM-3G
4	RF Planning & Drive Test
5	Mobile VAS
6	MIN(Mobile Identification Number)
7	Roaming and International roaming
8	Project Vijay
9	Sancharsoft
10	CDMA 2001X and EVDO
11	Wi-Fi and WIMAX
12	MNP
13	National/International Roaming
14	Earthing and Power Plant
15	Charging and Billing in GSM/CDMA
16	HSDPA, LTE, LTE-A
17	Intelligent Network in Mobile Communications
18	Security Features in CDMA/GSM & Lawful Interception System



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c/s (2) HRP

Annex B/3

"E.B."

Syllabus for JTO to SDE 33% Quota (EB) Paper-II	
LIST OF TOPICS	
1	MLLN
2	MPLS VPN
3	NGPN-FTTH
4	MSPP
5	Multiplay Broadband Services
6	Enterprise Services
7	New Business
8	CUG and Centrex
9	INFRA Sharing
10	Franchisee management
11	Project Smile & 3G experience zone
12	Service Level Agreement types
13	Optical Fiber Communications: ITU Standards, Components, Tests and Measurements, Link Budget. PCM & PDH, SDH, NGSDH, DWDM, FTTH
14	Microwave Communications: Basic Link Budget, Diversity, Antenna
15	Satellite Communications: Basics, Link Engineering, Earth Stations, VSAT, DSPT.
16	Earthing and Power plant
17	NOFN Project



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CS (2) AIR

Annex B/4

"I.T"

**Syllabus for JTO to SDE 33% Quota (IT)  
Paper-II:-Common Paper**

**LIST OF TOPICS**

1	ICT Security
2	Cyber Security
3	Erp
4	Cloud Computing
6	Oracle Data Base
7	Computer Networking/Lan/Wan
10	World Wide Web
11	Osi Model
12	Ethernet
13	Multimedia Services
14	E-Governance/Commerce/Education/Medicine





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