

BHARAT SANCHAR NIGAM LIMITED

(A Govt. of India Enterprise)

Syllabus & Scheme of Examination for Limited Departmental Competitive Examination for Telecom Mechanics***

*** (As per Recruitment Rules issued vide No. 250-74/2001-Pers-III dated 20.2.2002)

(A) SCHEME OF EXAMINATION

There will be a single **Objective Multiple-choice-type Paper** comprising of two Section each of 50 marks. The number of question in each Section shall be 50. The total time allowed for the paper shall be 2 ½ Hours. Each Section shall contain 50 questions of One (1) Mark each. There will be **negative marking** and for each wrong answer **25%** of the mark of that question shall be deducted.

SUBJECT	MAXIMUM MARKS	TIME ALLOWED
SECTION-I GENERAL SCIENCE & MATHEMATICS	50	2 ½ Hours
SECTION-II DEPARTMENTAL PRACTICES	50	
TOTAL	100 Marks	

The minimum qualifying marks in the LDCE for TM will be as follows:-

- (a) 30% in each section and 37% in aggregate for OC candidates.
 (b) 20% in each section and 30% in aggregate for SC/ST candidates.

Note: Select Panel under this quota shall be drawn strictly according to the merit scored in the competitive examination. The level of examination will be of 10th Standard.

OC Annex
18/10/11

P.T.O.

SYLLABUS

SECTION-I **GENERAL SCIENCE & MATHEMATICS**

(1) **GENERAL SCIENCE**

Units of measurement of length, Mass, Time and Temperature. Conductor, Insulator and Semi-conductor properties, electric current, Voltage, simple application of Ohm's Law, resistances, simple applications of resistances in series and parallel, application of electric current---electric bulb, Heater, Fuses, switch, Regulator and Fluorescent tubelights. Use and application of basic measuring instruments like Voltmeter, Ammeter and Multimeter.

(2) **MATHEMATICS**

Percentage, Profit & Loss, Simple Interest, Calculation of averages, Ratio and Proportion, Linear Equations, Trigonometric Ratios.

SECTION-II **DEPARTMENTAL PRACTICES**

- (i) Various types of Switchboard and underground cables, their identification, laying and terminations.
- (ii) Brand names of the various services provided by BSNL .
- (iii) Outdoor plant-concept of DPs, Pillars, Cabinets, Primary, Secondary and Distribution cables.
- (iv) MDF, IDF and protective devices.
- (v) Functioning of small size C-DOT Exchanges. ✓
- (vi) Float rectifiers, power plant, engine alternator, batteries their operation and maintenance.

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18/10/11