

		TATA INSTITUTE OF SOCIAL SCIENCES V.N. Purav Marg, Deonar, Mumbai 400 088 (A Deemed to be University under Section 3 of the UGC Act, 1956)			
ASSISTANT ENGINEER					
LEVEL – 7 (GROUP B)					
SYLLABUS					
WRITTEN & SKILL TEST/ INTERACTION					
(i)	General Knowledge about TISS.				
(ii)	Strength of Material Bending moment and shear force, Simple stress and strain relationship, simple bending theory				
(iii)	Surveying Principles of surveying, distance and angle measurements, leveling and traversing				
(iv)	Project Management Project planning and network analysis. PERT & CPM, cost estimation.				
(v)	MEP Series & Parallel Resistances, Energy Stored in conductor and capacitor, Units of basic electrical quantities. Maintenance of HVAC, Fire fighting equipment, lifts, material testing				
(vi)	Domestic Electricity Concept of basic electricity, single and three phase circuits, measurement of current, voltage and resistance. Power factor. Identification of cables, wires and accessories , study of electrical diagrams, symbols and code of practice. Concept of earthing, laying and jointing of cables				
(vii)	Estimation and Costing Calculation of quantities, schedule of rates, analysis of rates, contracts, general and special conditions, DSR, CPWD norms on contracts and estimation, arbitration and legal position.				
(viii)	Estate Management Property Tax, energy bills, master planning, statutory regulations and bye laws for estate, rain water harvesting, land documents, solid wastes and its treatment, water supply, Annual maintenance				
(ix)	Candidates should be able to draft Letters/ Notes Circular etc., Assessment of ability to communicate in English. General Awareness on understanding of UGC rules and various other Government Procedure & Norms				
(x)	Most of the Questions will be on Domain area.				
Procedures for recruitment to 'B' & 'C' non-teaching posts					
GROUP 'B' & 'C'					
Sr. No.	Mode of Assessment		Marks	Minimum Qualifying Marks	Weightage (%)
1	WRITTEN TEST	PAPER – I – Objective #	100	40	-
		PAPER – II – Descriptive	100	50	50.00%
	The Candidate to be called for Skill Test subsequent on qualify in Written Exam				
2	SKILL TEST/ INTERACTION		50	25	50.00%

The answer scripts of the candidates for the descriptive test shall be evaluated only in respect of those candidates who secure the minimum qualifying marks in Paper I.