

SYLLABUS FOR WRITTEN TEST FOR PERMANENT POSTS						
Duration of written test - Maximum 3 Hours; Minimum Cut-off Marks for written tests - 50%; Negative Marks for Wrong Answers in Objective Test - 0.25 Marks will be deducted.						
SL NO	NAME OF POST	Medium of Test	Method of Tests	Qualifying Test	Question Pattern	SYLLABUS
1	Junior Assistant	English	Objective - 50%, Subjective - 50% (English Comprehension and 2 Essays)	Computer Skill Test	Core Subjects (75%)	Financial Accounting -principles – trading and non-trading, account from incomplete records- final account (simple problems), Not-for-Profit Organizations, Bank Reconciliation, Statitics, Spatial Analysis, Mass Communication, Micro & Macroeconomics, Aspects of Society
					Other Subjects (25%)	General Knowledge, General Arithmetic, English Comprehension, Logical Reasoning.
2	Technician - Grade.II (Electrician)	English	Objective - 100%	Practical Test	Core Subjects (75%)	Basics of electricity, various electric motors, transformers & generators, alternators and DC generators, switch gears, motor starters, circuit breakers, VFD, relays and settings, fuse ratings, electrical measuring instruments, power factor, APFC, types of cables, Electrical wiring of panel Board and earthing systems, types of wirings, basics of electronics, illumination, diesel generators, Fault finding of Electrical machines.
					Other Subjects (25%)	General Knowledge, General Arithmetic, Logical Reasoning and Basic computer skills in MS Office / Open Office.
3	Technician Grade.II (Electronics)	English	Objective - 100%	Practical Test	Core Subjects (75%)	Working principle of transistors, transistors CB,CE, CC amplifiers, RC coupled amplifiers ,Concept and block diagram of manual & automatic and servo voltage stabilizer, o/p voltage adjustment, voltage cutoff systems, study of different types of relays used in stabilizers, study of electronic circuit commonly using, buck and boost concept. Block diagram of inverter. Installation of inverters,protection circuits used in inverters- battery level, over load, over charging etc. Resistive transducer Strain gauges, Load cell, Working principle of RTD, Thermistors , Thermocouples, Transducer, Principle of operation of LVDT, Capacitive transducer, Proximity sensors, IR proximity sensors
					Other Subjects (25%)	General Knowledge, General Arithmetic, Logical Reasoning and Basic computer skills in MS Office / Open Office.
4	Technician Grade.II - (MRAC)	English	Objective - 100%	Practical Test	Core Subjects (75%)	Basics of refrigeration, basic electricity, types of motors, wiring, earthing, fuse ratings, vapour compression and absorption in refrigeration systems, window A/C and split A/C, centralized A/C systems, compressors, condensers, cooling towers, expansion valves and solinoid valves, types of refrigerators, leak detection, insulation materials, deep freezers, blast coolers, plate heat exchangers, diesel generators, basics of electrical machines.
					Other Subjects (25%)	General Knowledge, General Arithmetic, Logical Reasoning and Basic computer skills in MS Office / Open Office.
5	Plant Assistant - Grade III	Malayalam	Objective - 100%	Skil Test	Core Subjects (75%)	പാലിനെ സംബന്ധിച്ചും അത് കൈകാര്യം ചെയ്യുന്ന രീതിയെ സംബന്ധിച്ചും ഉള്ളതായിരിക്കും
					Other Subjects (25%)	പൊതു വിജ്ഞാനം, പൊതു ഗണിതം, യുക്തി, വിശകലന ശേഷി എന്നിവ സംബന്ധിച്ചും ഉള്ളതായിരിക്കും.

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