

SYLLABUS FOR WRITTEN TEST FOR PERMANENT POSTS			
SL NO	NAME OF POST	Medium of Test	SYLLABUS
1	TS (Engg)	English	Basic Dairy Machineries like Plate Heat Exchangers, Shell & Tube Heat Exchangers, Homogenizer, Cream Separator, Pneumatic & Mechanical Filling Machines, CIP system, Engineering aspects on the topics of refrigeration & air conditioning, boilers, air-compressors, cooling towers, centrifugal pumps, lobe pumps, reciprocating pumps, bore well pumps and submersible pumps, Electric circuit and networks, Electric measurement and instruments, Transformer, Sub station, circuit breakers, Electrical Power Systems, Alternators, Induction motors, Synchronous motors, AC-DC convertors, DC-DC Converter, Power factor Improvement, Microprocessor, Electrical Drives including VFD, Control system. digital electronics, PLC programming, knowledge about SCADA, transformers, alternates, motors, relays and switch gears, circuit breakers, cables and earthing, electronic devices and circuits, level indicators, robotics, mechatronics and from the topics of General Knowledge, General Arithmetic, English Comprehension, Logical Reasoning and computer skills in using "Document", Spreadsheet" and Presentation" facilities in MS Office / Open Office.
2	TS (Dairy)	English	Market milk, Traditional Indian Dairy Products, Condensed & Dried Milks, Environmental studies and pollution Abatement, Fat Rich Dairy products, Cheese Technology, Ice-cream & Frozen Deserts, Packaging of Dairy Products, Sensory Evaluation of Dairy Products, Heat & Mass Transfer, Boilers and Steam generation, Refrigeration, Dairy Plant Design and Layout, Quality and safety monitoring in Dairy Industry, Food safety regulations (FSSA), GMP, GHP, ISO, Codex Standards, Dairy plant maintenance, Dairy plant cleaning process, testing methods of various dairy products and from the topics of General Knowledge, General Arithmetic, English Comprehension, Logical Reasoning and computer skills in using "Document", Spreadsheet" and Presentation" facilities in MS Office / Open Office.
3	Dairy Chemist/ Bacteriologist	English	Fundamentals of Dairy Microbiology, Dairy chemistry, Physical Properties of milk, Human Nutrition, Quality Assurance (Physical, Chemical & Microbiological), Fundamentals of Microbiology, Starter Cultures and Fermented milk Products, Dairy Biotechnology, Food and Industrial Microbiology, Sensory Evaluation of Dairy Products, Quality and Safety Monitoring in Dairy Industry, Detection of adulterants, pesticides, residues & antibiotics in milk & milk products, Food safety regulations (FSSA), GMP, GHP, ISO, Codex Standards, Water testing methods, Factors affecting quality of milk & milk products and from the topics of General Knowledge, General Arithmetic, English Comprehension, Logical Reasoning and computer skills in using "Document", Spreadsheet" and Presentation" facilities in MS Office / Open Office.
4	Asst. Marketing Officer	English	Sales and marketing concepts/ principles of marketing, Consumer behaviour - customer satisfaction, Managing customers, Current Dairy market scenario, Sales/Market promotion activities, 5 P's- (Product, Price, Promotion, Place, People), Market competence and its importance, Supply chain management, Demand estimation and sales forecasting methods, FMCG marketing Technology, Inventory Management, FSSA, Legal metrology, ISO standards, Logistic Management, Brand Building, Advertising Management, Kerala and Indian Dairy Scenario, Knowledge about Kerala and Indian Dairy brands, Products of Milma (price, shelf life period, storage conditions) and from the topics of General Knowledge, General Arithmetic, English Comprehension, Logical Reasoning and computer skills in using "Document", Spreadsheet" and Presentation" facilities in MS Office / Open Office.

5	<b>Asst. Accounts Officer</b>	<b>English</b>	Accounting entries, Cash book, Journal entries, GST rules & procedures, Income Tax & TDS rules and procedures, Statutory rules and regulations (EPF, ESI, Bonus, Gratuity etc.), Profit & Loss accounts and Balancesheet analysis, Finalisation of Accounts, Costing principles, Marginal costing and Decision, Company Laws, Kerala Co-operative Societies Act & Rules and from the topics of General Knowledge, General Arithmetic, English Comprehension, Logical Reasoning and computer skills in using "Document", Spreadsheet" and Presentation" facilities in MS Office / Open Office.
6	<b>Asst. Personnel Officer</b>	<b>English</b>	Personnel Management with special emphasis on the topics of manpower sourcing, training & development, human resource information system (HRIS), Factories Act, Industrial Disputes Act, Employees Provident Fund Act, Employees State Insurance Act, Payment of Wages Act, Minimum Wages Act, Payment of Bonus Act, Maternity Benefit Act, Trade Unions Act, Employees Compensation Act, Industrial Employment Standing Orders Act and Contract Labour (Regulation and Abolition) Act, Kerala Co-operative Societies Act & Rules, Gratuity Act & Rules and from the topics of General Knowledge, General Arithmetic, English Comprehension, Logical Reasoning and computer skills in using "Document", Spreadsheet" and Presentation" facilities in MS Office / Open Office.
7	<b>Systems Supervisor</b>	<b>English</b>	Computer organisation, Structure programming, Object oriented program, Fundamental of data structures, web application development, Data communication and networking, database management system, Computer Hardware, Computer languages, Knowledge on social media and from the topics of General Knowledge, General Arithmetic, English Comprehension, Logical Reasoning.
8	<b>Marketing Organiser</b>	<b>English</b>	Consumer behaviour - customer satisfaction, Managing customers, Managing Retailers, wholesalers, customer complaint redressal (case study), Logistic Management, Managing FMCG products, Qualities of a sales person, Current market scenario, Sales / Market promotion activities, Supply chain management, Basic accounting principles, Kerala and Indian Dairy Scenario and from the topics of General Knowledge, General Arithmetic, English Comprehension, Logical Reasoning and computer skills in using "Document", Spreadsheet" and Presentation" facilities in MS Office / Open Office.
9	<b>Jr. Supervisor (P&amp;I)</b>	<b>English</b>	Co-operative Principles, Kerala Co-operative Societies Act & Rules, Preparation of final account of milk Societies and Auditing, FSSA standards, Accounting knowledge at Graduate level, Kerala and Indian Dairy scenario, Basics of Dairy Technology like handling and shelf life of milk and from the topics of General Knowledge, General Arithmetic, English Comprehension, Logical Reasoning and computer skills in using "Document", Spreadsheet" and Presentation" facilities in MS Office / Open Office.
10	<b>Lab Assistant</b>	<b>English</b>	Microbiology of milk, Microbiology of milk products, General chemistry, Chemistry of milk, Chemistry of dairy products, Quality assurance of milk & milk products, Physical Chemistry, Organic Chemistry, Inorganic Chemistry, General Bio-chemistry, General Microbiology, Biotechnology, Microbial growth and reproduction, Dairy hygiene, Basic quality parameters of milk and important milk products, Basic tests for quality assessment of milk and from the topics of General Knowledge, General Arithmetic, English Comprehension, Logical Reasoning and computer skills in using "Document", Spreadsheet" and Presentation" facilities in MS Office / Open Office.

11	<b>Technician (Gr.II) - Boiler</b>	<b>English</b>	Working and management of a steam boiler, Economizer, APH, procedure before starting fires and when raising steam, prevention of scale or other deposits on heating surfaces, periodical inspection of boilers, hydraulic test and steam test, precautions and safety measures in a boiler room, water lodging in steam pipes and the precautions, electrical controls in boiler, IBR Rules Types of Boilers, different type of metals, System of Units, British, metric and SI units of length, area, volume capacity, weight, time, angle, their conversions, different types of loads, stress, strain, modulus of elasticity, ultimate strength, work energy and power, their units and applied problems, tools and machineries, safety equipments and their uses, , Thermodynamics and from the topics of General Knowledge, General Arithmetic, Logical Reasoning and Basic computer skills in MS Office / Open Office.
12	<b>Technician (Gr.II) - MRAC</b>	<b>English</b>	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 and from the topics of General Knowledge, General Arithmetic, Logical Reasoning and Basic computer skills in MS Office / Open Office.
13	<b>Technician (Gr.II) - Electrician</b>	<b>English</b>	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 and from the topics of General Knowledge, General Arithmetic, Logical Reasoning and Basic computer skills in MS Office / Open Office.
14	<b>Technician (Gr.II) - General</b>	<b>English</b>	Basic mechanical, measurements and calculations, welding methods, welding electrodes and filling materials, Basics of Pneumatics, basics of gear mechanism & conveyor system, Types of file tools, maintenance of filling machines and from the topics of General Knowledge, General Arithmetic, Logical Reasoning and Basic computer skills in MS Office / Open Office.
15	<b>Driver Grade II</b>	<b>Malayalam</b>	നിയമപ്രകാരമുള്ള ചരക്ക് വാഹനങ്ങൾ ഓടിക്കുകയും, ട്രാഫിക് സിഗ്നലുകളെ സംബന്ധിച്ചും അവയുടെ നിയമങ്ങൾ, ഡ്രൈവിംഗ് ലൈസൻസ് നിയമങ്ങൾ, പുതുകൽ, വിവിധതരം ലൈസൻസ്, പെർമിറ്റ്, റോഡ് ടാക്സ്, വിവിധതരം വാഹനങ്ങളുടെ / പ്രദേശങ്ങളുടെ സ്പീഡ് ലിമിറ്റുകൾ, വാഹനങ്ങളുടെ കളർ കോഡുകൾ, നെയിംബോർഡുകൾ, യാത്ര തുടങ്ങുന്നതിനു മുമ്പായി വാഹനങ്ങൾക്ക് സ്വീകരിക്കേണ്ട മുൻകരുതലുകൾ, വാഹനങ്ങളുടെ മുഖ്യമായ ഭാഗങ്ങളും അവയുടെ പ്രവർത്തന രീതികളും അവയുടെ അറ്റകുറ്റപ്പണികൾ സംബന്ധിച്ചും, ജനറൽ നോളഡ്ജ്, ജനറൽ അറിത്തമാറ്റിക്, ലോജിക്കൽ റീസണിംഗ് എന്നിവ സംബന്ധിച്ചും ഉള്ളതായിരിക്കും.
16	<b>Plant Attender Grade III</b>	<b>Malayalam</b>	പാലിനെ സംബന്ധിച്ചും അത് കൈകാര്യം ചെയ്യുന്ന രീതിയെ സംബന്ധിച്ചും, ജനറൽ നോളഡ്ജ്, ജനറൽ അറിത്തമാറ്റിക്, ലോജിക്കൽ റീസണിംഗ് എന്നിവ സംബന്ധിച്ചും ഉള്ളതായിരിക്കും