

DETAILED SYLLABUS FOR THE POST OF SECURITY GUARD CUM PUMP OPERATOR

**IN KERALA STATE FILM DEVELOPMENT CORPORATION LIMITED
(Cat.No.:656/2021)**

MOD ULE NO.	TOPIC	CONTENT	MARKS (100)
1	SAFETY MEASURES	Importance of safety and general precautions in plumbing works.	10
	COMMON HAND TOOLS AND EQUIPMENTS	Measuring and marking tools . Cutting tools Plumbing tools Various types of machineries, equipments and it's operations	
2	METALS	Properties of metals Alloy of metals	10
	PIPE AND PIPE FITTINGS	Different types of pipes Method of manufacturing various type of pipe fittings	
3	WATER AND WATER DISTRIBUTIONS	Sources of water Impurities of water and water treatment Testing of water Laying of distribution pipe Testing of pipe lines Domestic water connection Reservoyers	10
		Uses of pump Types of pump	

4	PUMP AND PUMPING	<p>Working principles</p> <p>Repairing</p> <p>Water storage system</p> <p>Working method</p>	10
5	PLUMBING AND SANITARY FITTINGS	<p>Soil fittings and Waste fittings</p> <p>Taps & valves</p> <p>Traps</p> <p>Flushing system</p> <p>Advanced and modern equipments</p> <p>Plumbing symbols</p>	10
6	FASTENING	<p>Types of fastening</p> <p>Method of fastening</p> <p>Tools and equipments</p> <p>Fastening materials</p>	10
7	DRAINAGE SYSTEM	<p>Piping system in house drainage</p> <p>Testing of house drainage lines</p> <p>Waste storage tanks</p> <p>Ventilating system</p> <p>Public sewer system</p> <p>Inspection and maintenance of drainage lines</p>	10
8	JOINING AND LAYING OF PIPE LINES	<p>Various types of pipe joint</p> <p>Methods of pipe joining</p> <p>Joining materials</p> <p>Methods of trenching & laying of pipe.</p>	10

9	MASONRY	Masons hand tools, equipments and machineries Materials and preperations Types and method of construction Quality measures in construction Scaffolding	10
10	RAIN WATER HARVESTING	Advantages of rain water harvesting Methods of rain water harvesting	10
	HEATING SYSTEM	Water heaters Cold water distribution Hot water distribution Solar water heater system Heat and temperature Types of heating system	
<p>NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper</p>			