

DETAILED SYLLABUS FOR THE POST OF METER READER IN KERALA WATER AUTHORITY
(Cat Nos.279/2025)

MODULE 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	
2	METALS	Various types of machineries, equipments and it's operations	10
		Properties of metals	
	PIPE AND PIPE FITTINGS	Alloy of metals	
		Different types of pipes	
		Method of manufacturing	
3	WATER AND WATER DISTRIBUTIONS	various type of pipe fittings	10
		Sources of water	
		Impurities of water and water treatment	
		Testing of water	
		Laying of distribution pipe	
		Testing of pipe lines	
		Domestic water connection	
		Reservoirs	

4	PUMP AND PUMPING	Uses of pump Types of pump Working principles Repairing Water storage system Working method	10
5	PLUMBING AND SANITARY FITTINGS	Soil fittings and Waste fittings Taps & valves Traps Flushing system Advanced and modern equipments Plumbing symbols	10
6	FASTENING	Types of fastening Method of fastening Tools and equipments Fastening materials	10
7	DRAINAGE SYSTEM	Piping system in house drainage Testing of house drainage lines Waste storage tanks Ventilating system Public sewer system Inspection and maintenance of drainage lines	10
8	JOINING AND LAYING OF PIPE LINES	Various types of pipe joint Methods of pipe joining Joining materials Methods of trenching & laying of pipe.	10
9	MASONRY	Masons hand tools, equipments and machineries Materials and preparations 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	
	HEATING SYSTEM	Water heaters Cold water distribution Hot water distribution Solar water heater system Heat and temperature Types of heating system	10

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