

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

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	10
		Alloy of metals	
	PIPE AND PIPE FITTINGS	Different types of pipes	
		Method of manufacturing	
		various type of pipe fittings	
3	WATER AND WATER DISTRIBUTIONS	Sources of water	10
		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	10
		Types of pump	
		Working principles	
		Repairing	
		Water storage system	
		Working method	
5	PLUMBING AND SANITARY FITTINGS	Soil fittings and Waste fittings	10
		Taps & valves	
		Traps	
		Flushing system	
		Advanced and modern equipments	
		Plumbing symbols	
6	FASTENING	Types of fastening	10
		Method of fastening	
		Tools and equipments	
		Fastening materials	
7	DRAINAGE SYSEYEM	Piping system in house drainage	10
		Testing of house drainage lines	
		Waste storage tanks	
		Ventilating system	
		Public sewer system	
		Inspection and maintenance of drainage lines	
8	JOINING AND LAYING OF PIPE LINES	Various types of pipe joint	10
		Methods of pipe joining	
		Joining materials	
		Methods of trenching & laying of pipe.	
9	MASONRY	Masons hand tools,equipments and machineries	10
		Materials and preparations	
		Types and method of construction	
		Quality measures in construction	
		Scaffolding	
10	RAIN WATER HARVESTING	Advantages of rain water harvesting	10
	HEATING SYSTEM	Methods of rain water harvesting	
		Water heaters	
		Cold water distribution	
		Hot water distribution	
		Solar water heater system	
		Heat and temperature	
		Types of heating system	

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