

**DETAILED SYLLABUS FOR THE POST OF TRADESMAN PLUMBER IN TECHNICAL EDUCATION
DEPARTMENT (Cat No.752/2021)**

MOD ULE NO.	TOPIC	CONTENT	MARKS (100)
1	SAFETY MEASURES	Importants 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	
Reservoyers			

4	PUMP AND PUMPING	Uses of pump	10
		Types of pump	
		Working principles	
		Repairing	
		Water storage system	
5	PLUMBING AND SANITARY FITTINGS	Working method	10
		Soil fittings and Waste fittings	
		Taps & valves	
		Traps	
		Flushing system	
6	FASTENING	Advanced and modern equipments	10
		Plumbing symbols	
		Types of fastening	
		Method of fastening	
7	DRAINAGE SYSEM	Tools and equipments	10
		Fastening materials	
		Piping system in house drainage	
		Testing of house drainage lines	
		Waste storage tanks	
8	JOINING AND LAYING OF PIPE LINES	Ventilating system	10
		Public sewer system	
		Inspection and maintenance of drainage lines	
		Various types of pipe joint	
9	MASONRY	Methods of pipe joining	10
		Joining materials	
		Methods of trenching & laying of pipe.	
		Masons hand tools,equipments and machineries	
		Materials and preperations	
10	RAIN WATER HARVESTING	Types and method of construction	10
		Quality measures in construction	
	HEATING SYSTEM	Scaffolding	
		Advantages of rain water harvesting	
		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