

**Proposed Content Weightages for Fatime Group 2024**

<b>Sr. No.</b>	<b>Designation of the Post</b>	<b>Criteria and Subject Division</b>	<b>Subject % Weight</b>
<b>1</b>	<b>Apprenticeship (Mechanical Technician)</b>	<b>As per Advertisement</b>	<b>100%</b>
		General Knowledge	20%
		Quantitative	20%
		General Science	20%
		<b>Subjective</b>	40%
		Power Plants & Thermodynamics	08%
		Engineering drawing and graphics	08%
		Materials & Manufacturing Processes	08%
		Machine design	4%
		Mechanics of Material	4%
		Mechanical Vibrations	4%
		Basic Electrical and Electronics	4%
<b>2</b>	<b>Apprenticeship (Chemical Plant Operator)</b>	<b>As per Advertisement</b>	<b>100%</b>
		General Knowledge	20%
		Quantitative	20%
		General Science	20%
		<b>Subjective</b>	40%
		Chemical Process Principles	08%
		Chemical Engineering Thermodynamics	08%
		Chemical Reaction Engineering	08%
		Heat & Mass Transfer	08%
		Fluid Mechanics	04%
		Instrument and Process Control	04%
<b>3</b>	<b>Apprenticeship (Civil Technician)</b>	<b>As per Advertisement</b>	<b>100%</b>
		General Knowledge	20%
		Quantitative	20%
		General Science	20%
		<b>Subjective</b>	40%
		Applied Physics	08%
		Applied Mathematics	08%
		Engineering Drawing	08%
		Engineering Mechanics	04%
		Concrete Technology and RCC Design	04%
		Engineering Materials & Construction Techniques Advanced Construction Techniques Principles of Inspection and Quality Control of civil works	08%
		<b>4</b>	
General Knowledge	20%		
Quantitative	20%		

	<b>Apprenticeship (Electrical Technician)</b>	General Science	20%
		<b>Subjective</b>	40%
		Power Generation and Transmission	08%
		Power Distribution	08%
		Power System Protection	08%
		Power Electronics	08%
		High Voltage Engineering	04%
		Power System Analysis	04%
5	<b>Apprenticeship (Instrument Technician)</b>	<b>As per Advertisement</b>	<b>100%</b>
		General Knowledge	20%
		Quantitative	20%
		General Science	20%
		<b>Subjective</b>	40%
		Analogue Electronics	08%
		Digital Logic Design	08%
		Power/Industrial Electronics	08%
		Control Systems	08%
		AC and DC Machines	04%
		Telecommunication	04%
6	<b>Apprenticeship (Mechanical Draftsman)</b>	<b>As per Advertisement</b>	<b>100%</b>
		General Knowledge	20%
		Quantitative	20%
		General Science	20%
		<b>Subjective</b>	40%
		Applied Physics	08%
		Applied Mathematics	08%
		Engineering Drawing	08%
		Machine Design	04%
		Workshop Practices	04%
		Metrology, Metallurgy, Materials testing & Heat treatment.	08%
7	<b>Apprenticeship (Laboratory Technician)</b>	<b>As per Advertisement</b>	<b>100%</b>
		General Knowledge	20%
		Quantitative	20%
		General Science	20%
		<b>Subjective</b>	40%
		Basics of Analytical Chemistry	08%
		Spectrometry and Spectrophotometry	08%
		Derivative Spectroscopy	08%
		Atomic Spectroscopy	4%
		Thermal Methods of Analyses	4%
		Inorganic Chemistry	4%

<b>8</b>	<b>Apprenticeship (Technician Refrigerator &amp; Air Conditioning)</b>	<b>As per Advertisement</b>	<b>100%</b>
		General Knowledge	20%
		Quantitative	20%
		General Science	20%
		<b>Subjective</b>	<b>40%</b>
		Basic principle of refrigeration	08%
		Types of Refrigeration systems	08%
		Electrical components used in AC	08%
		Electrical Circuits	04%
		Electronics	04%
		Function, Types, working of Compressors	08%
<b>9</b>	<b>Computer Operator</b>	<b>As per the Advertisement</b>	<b>100%</b>
		Verbal Reasoning	20%
		Analytical Reasoning	10%
		IQ	10%
		Basic Computer Knowledge (MS-Word, Excel, PowerPoint)	10%
		Programming Fundamentals	10%
		Computer Software	10%
		Introduction to Computers	10%
		Windows Operating System	20%