

## TSC/5401 Stenter Machine Operator

1.	A Stenter is a fabric transport device for bringing _____ to the fabric.
	<ul style="list-style-type: none"> <li>a) Tensile strength</li> <li><b>b) Dimensional stability</b></li> <li>c) Elasticity</li> <li>d) Density</li> </ul>
2.	It contains chemical trough, guide rollers and squeezing mangle.
	<ul style="list-style-type: none"> <li><b>a) Padding mangle</b></li> <li>b) Inlet J-scray</li> <li>c) Mahlo device</li> <li>d) Over feed system</li> </ul>
3.	A stenter is a machine or apparatus for _____ fabrics
	<ul style="list-style-type: none"> <li>a) Passing</li> <li>b) Collecting</li> <li>c) Rolling</li> <li><b>d) Stretching</b></li> </ul>
4.	This finish reduces wrinkling tendency of cotton textiles as well as blends and avoids the necessity of ironing.
	<ul style="list-style-type: none"> <li>a) Soft finish</li> <li><b>b) Resin finish</b></li> <li>c) Anti-microbial finish</li> <li>d) Soil release finish</li> </ul>
5.	_____ machine is that it is used for knit fabric weft straightening, heat setting and dyeing.
	<ul style="list-style-type: none"> <li><b>a) Knit stenter</b></li> <li>b) Stenter 8 F</li> <li>c) Stenter 10</li> <li>d) Heat stenter</li> </ul>
6.	It includes various operations such as heat-setting, napping, embossing, pressing, calendaring, and the application of chemicals that change the character of the fabric.
	<ul style="list-style-type: none"> <li>a) Dyeing</li> <li><b>b) Finishing</b></li> <li>c) Scouring</li> <li>d) bleaching</li> </ul>
7.	It has two bow and three skew rollers which correct the skewness and bowing and make the weft yarns straight.
	<ul style="list-style-type: none"> <li>a) Padding mangle</li> <li>b) Inlet J-scray</li> <li><b>c) Mahlo device</b></li> <li>d) Over feed system</li> </ul>
8.	This finish inhibits growth of microbes that causes unpleasant odour & helps textiles to maintain hygienity.
	<ul style="list-style-type: none"> <li>a) Soft finish</li> <li>b) Resin finish</li> <li><b>c) Anti-microbial finish</b></li> <li>d) Soil release finish</li> </ul>

## TSC/5401 Stenter Machine Operator

9.	Stenter speeds range from _____ for heavyweight furnishings up to 100 m/min for lightweight dressgoods.
	<ul style="list-style-type: none"> <li>a) <b>10 m/min</b></li> <li>b) 20m/min</li> <li>c) 30m/min</li> <li>d) 40m/min</li> </ul>
10.	Fabric _____ is controlled by the stenter machine.
	<ul style="list-style-type: none"> <li>a) Weight</li> <li>b) <b>Width</b></li> <li>c) Colour</li> <li>d) Crimp</li> </ul>
11.	_____ of the fabric is controlled by stenter.
	<ul style="list-style-type: none"> <li>a) Weight</li> <li>b) Colour</li> <li>c) Crimp</li> <li>d) <b>GSM</b></li> </ul>
12.	The ability of one material to take up another material
	<ul style="list-style-type: none"> <li>a) <b>Absorbency</b></li> <li>b) Bleaching</li> <li>c) Dyeing</li> <li>d) Effluent</li> </ul>
13.	This helps to dry the fabric or to fix the finishing chemicals by hot air from the blowers.
	<ul style="list-style-type: none"> <li>a) Mahlo device</li> <li>b) Outlet chain track</li> <li>c) <b>Drying chambers</b></li> <li>d) Batching and plaiting unit</li> </ul>
14.	The temperature requirement for fabric finishing is _____.
	<ul style="list-style-type: none"> <li>a) 30°C or below</li> <li>b) <b>40°C or below</b></li> <li>c) 50°C or below</li> <li>d) 60°C or below</li> </ul>
15.	_____ is the value indicating the acidity or alkalinity of a material.
	<ul style="list-style-type: none"> <li>a) <b>pH</b></li> <li>b) cH</li> <li>c) mH</li> <li>d) nH</li> </ul>
16.	This is a easy care finish which induces easy removal of soil & stains from the fabric during washing.
	<ul style="list-style-type: none"> <li>a) Soft finish</li> <li>b) Resin finish</li> <li>c) Anti-microbial finish</li> <li>d) <b>Soil release finish</b></li> </ul>
17.	Transport the dyed or printed fabric to be run, to the inlet feeding unit of stenter machine using _____.

## TSC/5401 Stenter Machine Operator

	<ul style="list-style-type: none"> <li>a) Lorry</li> <li><b>b) hydraulic hand puller or electric truck</b></li> <li>c) Car</li> <li>d) Scooter</li> </ul>
18.	The _____ must ensure technical details are mentioned on the job card & display in machine.
	<ul style="list-style-type: none"> <li>a) Supervisor</li> <li>b) Production manager</li> <li><b>c) Machine operator</b></li> <li>d) Labourer</li> </ul>
19.	Check the cleanliness of the machines & other work areas.
	<ul style="list-style-type: none"> <li>a) Supervisor</li> <li>b) House keeping</li> <li><b>c) Machine operator</b></li> <li>d) Labourer</li> </ul>
20.	This finish gives softness, good luster as well as smoothness to fabric.
	<ul style="list-style-type: none"> <li><b>a) Soft finish</b></li> <li>b) Resin finish</li> <li>c) Anti-microbial finish</li> <li>d) Soil release finish</li> </ul>

Practical	
Candidates will be asked to do any one of the below mentioned tasks.	
1.	Operate the Stenter machine and ensure the cleanliness of the machine.
2.	Feed of fabric properly in chain track.
3.	Fill the padding mangle with the required solutions or chemicals.
4.	The operator should to take charge of shift from previous shift operator and hand over the shift to next shift operator.
5.	The operator should know the procedure of reporting to his/ her shift superior about the quality / production / safety.

## TSC/5401 Stenter Machine Operator

Viva	
1.	<p>Describe the activities carried out by a stenter machine.</p> <ul style="list-style-type: none"><li>• Application of finishing chemicals.</li><li>• Drying and stretching</li><li>• Curing</li><li>• Heat setting</li><li>• Pigment dyeing</li></ul>
2.	<p>List few components of Stenter Machine.</p> <ul style="list-style-type: none"><li>▪ Paders</li><li>▪ Weft straightner (Mahlo)</li><li>▪ Burners 10</li><li>▪ Heat recovery</li><li>▪ Attraction rollers</li><li>▪ Circulating fans 10,8</li><li>▪ Exhaust fans 2</li><li>▪ Winder 2</li><li>▪ Clips</li><li>▪ Pins</li><li>▪ I.R</li><li>▪ Cooling drums 2</li></ul>
3.	<p>What are the effects of stenter machine on the fabric?</p> <ul style="list-style-type: none"><li>• Water is removed</li><li>• Spirality is not appeared</li><li>• Shrink is controlled</li><li>• GSM isn't adjusted</li><li>• Fabric diameter is controlled</li></ul>
4.	<p>Mention the procedures to be followed during handing over charge at the end of shift.</p> <ul style="list-style-type: none"><li>• Properly hand over the shift to the incoming operator.</li><li>• Provide all the details regarding Fabric quality &amp; the process running on the machine.</li><li>• Provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the material or machine.</li><li>• Ensure the next lot to be processed is ready near the machine.</li></ul>
5.	<p>List the importance of health and safety measures to be followed by the stenter machine operator.</p> <ul style="list-style-type: none"><li>• Use and maintain personal protective equipment such as Hand Gloves, Gum Boots, head cap etc., as specified.</li><li>• Never handle chemicals with bare hands</li><li>• Report any service malfunctions in the machine that cannot be rectified to the supervisor.</li><li>• Store materials and equipment at their designated places.</li></ul>

## TSC/5401 Stenter Machine Operator

	<ul style="list-style-type: none"><li>• Minimize health and safety risks to self and others due to own actions.</li></ul>
--	---

TSC - Sample Question Paper