

**THE TEXTILE ASSOCIATION (INDIA)**  
**GMTA EXAMINATION – 2020**  
**SECTION – D PAPER – SOD.1**  
**SPECIALTY AND HIGH PERFORMANCE YARN**

Date: 29.12.2020

MARKS: 100

Time: 2.00 Pm to 5.00 pm

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**Instructions:**

1. Attempt any **Six** questions out of which **Q.1 is Compulsory**
  2. Answer each next question on new page
  3. Figures to the right indicate full marks
  4. Illustrate your answers with neat sketches & flow charts wherever necessary
  5. Use of non-programmable electronic pocket calculator is permissible
  6. Mobile and any other communication devices are not allowed in the Examination hall.
  7. Assume suitable, data wherever necessary
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Q1	a	Describe Specialty yarn and differentiate the specialty yarn with conventional yarn.	10
	b	Describe texturization of yarn with reference to specialty yarn.	10
Q2	a	Write a note on fancy yarns	08
	b	Discuss with flow chart finishing of sewing thread	08
Q3	a	Describe the classification of yarns.	08
	b	Discuss about different types of sewing threads	08
Q4	a	Discuss stuffer box process texturing process.	08
	b	Write a note on texturing of non-thermoplastic polymeric yarns.	08
Q5		Discuss briefly different types of twines in relation to their end use	16
Q6		Write a note on Manufacture of tyre card and their quality with special reference to application.	16
Q7		Write a note on hosiery yarns meant for producing various knitted items	16
Q8		Describe the process of manufacturing core spun yarn. Comment on their use	16

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