THE TEXTILE ASSOCIATION (INDIA)
G.M.T.A. EXAMINATION-2016
SECTION: D PAPER – SOD.1

SPECIALTY & HIGH PERFORMANCE YARNS

Date: 28.12.2016                    Marks: 100                    Time: 2.00 pm to 5.00 pm

Instructions: 1. Attempt SIX questions out of which Q1 is Compulsory
2. Answer each next question on new page
3. Figures to the right indicate full marks
4. Illustrate your answers with sketches and flow chart wherever necessary
5. Use of nonprogrammable electronic pocket calculator permissible
6. Mobile and any other communication devices are not allowed in the exam hall.
7. Assume suitable data wherever necessary

Q1  a Discuss the texturing process with reference to high performance
     b Describe specialty yarns and differentiate them with conventional yarns

Q2  a Discuss classification of yarns in relation to their performance
     b Describe different types of sewing threads.

Q3  a Give an account of fancy yarns
     b Describe with a flow chart the finishing of sewing thread.

Q4  a Discuss the manufacture of textured yarn by knit de-knit process.
     b Give an account of theory of bulking.

Q5  a Give a detailed account of different types of twines in relation to their quality requirements

Q6  a Describe functions and requirement of braided yarns
     b Give an account of manufacture of ropes.

Q7  a Write a note on manufacture and application of core spun yarns

Q8  a Discuss different texturing method with reference to their merits and demerits.

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