THE TEXTILE ASSOCIATION (INDIA)
G.M.T.A. (REVISED) EXAMINATION – 2015
SECTION – D PAPER WOD-2 (OPTIONAL)

TECHNICAL TEXTILES

Date: 30.12.2015  Marks: 100  Time: 2 pm to 5 pm

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

Q1  Compulsory Question  20 Marks
   a. Discuss classification of Technical Textiles with reference to their end use.  10
   b. Give an account of growth of industrial textiles in India.  10

Q2
   a. List the Geo-Textiles products and illustrate the application of them.  08
   b. List the Agro-tech product and discuss the end use of them in coastal areas.  08

Q3
   a. Describe Textiles Composites in regard to various textiles fibres and binding mechanism.  08
   b. What are Medical Textiles? Compare Implantable and Non-Implantable Medical Textiles.  08

Q4
   a. Discuss health care and hygiene textiles.  08
   b. List the hospital textiles and discuss after care of them.  08

Q5
   a. What are coated fabrics? List the end use of them.  08
   b. Give an account of use of textiles in civil engineering applications.  08

Q6
   a. What are protective textiles? Describe the mechanism of protection against heat.  08
   b. Give an account of defense textiles with reference to ballistic fabrics.  06

Q7
   a. Discuss different types of sports textiles with reference to moisture management.  08
   b. What are the fabrics for children fun and play. Illustrate the phenomena with regard to product specification.  08

Page 1 of 2
Q8  

a. Give an account of automotive application of textiles.  

b. How are fabrics used to control oil spills. Discuss different types of fibres used for the manufacture.