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

ADVANCED FABRIC MANUFACTURE

Date: 24.12.2015  
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 Match the following questions by choosing correct option(compulsory)  

I  
a. Sulzer loom  
b. Dornier loom  
c. Ruti C loom  
d. Tseudokama loom  
e. Pickwell loom

II  
a. Gauze Fabric  
b. Terry Fabric  
c. Crepe Fabric  
d. Double Cloth  
e. Leno Fabric

1. Rapier  
2. Water-jet  
3. Air-jet  
4. Shuttle  
5. Projectile

20Marks  
10 marks

Q2 List various ‘Winding Faults’ and explain the remedial measures to overcome the same.  

Q3 What are the salient features of different types of warping machines?  

Q4 Provide size recipe used for cotton warp. Explain the role of each ingredient.  

Q5 Explain the various primary, secondary and auxiliary motions of loom.  

Q6 With a neat diagram explain the timings of powerloom weaving primary motions
Q7 Compare the features of powerloom, automatic loom and shuttle-less looms.

Q8 With a diagram explain the working mechanism of double lift double cylinder jacquard.