THE TEXTILE ASSOCIATION (INDIA)
G.M.T.A. (REVISED) EXAMINATION – 2012
SECTION-B PAPER-IV (B-4)
APPAREL MANUFACTURE

Date: 25.12.2012 Marks : 100 Time: 2 to 5 pm

Instructions:
1. Attempt six questions out of which Q.1 is compulsory
2. Answer each next main question on new page
3. Figure to the right indicate full marks
4. Illustrate your answer 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. a. Fill up the blanks:
1. Warp is represented by _______ & Weft is represented by _______ in Knitted fabrics.
2. The fabric is laid in cutting section using _______ machine.
3. The stitch is formed by the top thread and _______ thread in sewing machine.
4. The lay is spread with _______ before cutting the fabric lay.
5. The label indicating the brand name is called _______

b. Expand the abbreviations:
1. CAD stands for _______
2. GSM stands for _______
3. SNLS stands for _______
4. UBT stands for _______
5. CIM stands for _______

C. State True or False giving reasons:
1. The product keeps on changing for fit, colour and design in apparel industry.
2. T Shirt is an industrial wear
3. A pattern is prepared from a cardboard, or a thin brown paper sheet.
4. Needles are more extensively used in Cutting section than in Sewing Section.
5. Band knife cutting machine is used for bulk cutting.

d. Match the following:
1. Grain line a. Fabric
2. Bobbin b. Cutting
3. Drilling c. Accessory
5. Interlining e. Pattern

PTO
Q.2.  
a. What are basic blocks?  
(04)  
b. Write the procedure for obtaining basic block  
(04)  
c. Why 3D body form is used  
(04)  
d. Explain how the patterns are graded with the help of CAD  
(04)  

Q.3.  
a. List the spreading machines  
(04)  
b. Explain working method of a spreading machine  
(04)  
c. What is a fusing machine?  
(04)  
d. Write important factors affecting fusing  
(04)  

Q.4.  
a. Write different types of fabrics used for apparel manufacturing  
(04)  
b. List the physical properties of fabric  
(04)  
c. What are adjustments needed for a single needle sewing machine  
(04)  
d. What are the quality defects found in sewing  
(04)  

Q.5.  
a. How are sewing machines classified  
(04)  
b. What are the advantages of fusing  
(04)  
c. What are the activities of Finishing Section  
(04)  
d. List the defects found while packing the Garments  
(04)  

Q.6.  
a. Write the types of stitches used in apparel manufacturing  
(04)  
b. How does thread consumption is calculated  
(04)  
c. List 4 activities of Finishing section  
(04)  
d. Explain cutting process  
(04)  

Q.7.  
a. Compare the conventional & advanced production systems  
(08)  
b. Describe the activities of trimming section  
(04)  
c. What are the types of needles used in Sewing  
(04)  

Q.8.  
a. Discuss the automation & CIM in Garment manufacturing  
(08)  
b. How Patterns are graded?  
(04)  
c. What are the quality defects found in cutting  
(04)