THE TEXTILE ASSOCIATION (INDIA)
G.M.T.A. EXAMINATION 2019
SECTION - B PAPER-B.4
APPAREL MANUFACTURE
Marks: 100

Date: 24.12.2019
Time: 2.00 p.m. to 05.00 p.m.

Instructions:
1. Attempt any six questions out of which Q.1 is compulsory
2. Answer each main 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. a) Fill up the blanks:
1) Woven fabrics are composed of two sets of yarns namely ______ & ______
2) The shirt is closed by using _____________
3) In the Garment industries usually _______ system is used for checking the quality of the fabric.
4) The small parts such as collar, neckband, cuffs etc are cut using ______ machine.
5) The label indicating the method of washing, ironing and other instructions is called as _______

Q1. b) Expand the abbreviations:
1) GSD stands for ____________________________
2) SAM stands for ____________________________
3) GSM stands for ____________________________
4) AQL stands for ____________________________
5) FoA Machine stands for _______________________

Q1. c) True or False:
1) The fabric, trims, accessories and the packing materials are to be checked thoroughly before issuing it for production
2) Space suit is a casual wear
3) Grading in patterns refers to change the pattern according to the specification of the garments for different sizes.
4) Curved rulers and French curves are more extensively used in Sewing Section than in Pattern Section.
5) The dimensions of L size shirt will be more than dimensions of S size shirt.
Q1. d) Match the following:

<table>
<thead>
<tr>
<th></th>
<th>Zipper</th>
<th></th>
<th>Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>a)</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>MHM machine</td>
<td>b)</td>
<td>Embroidery</td>
</tr>
<tr>
<td>3</td>
<td>Motif</td>
<td>c)</td>
<td>Accessory</td>
</tr>
<tr>
<td>4</td>
<td>Surface ornamentation</td>
<td>d)</td>
<td>Finishing</td>
</tr>
<tr>
<td>5</td>
<td>Tag Guns</td>
<td>e)</td>
<td>Printing</td>
</tr>
</tbody>
</table>

Q2.

a) Write different types of fabrics used for apparel manufacturing.
   8
b) What are basic blocks? Write the procedure for obtaining basic block.
   4
c) List the physical properties of fabric.
   4

Q3.

a) List the defects in Woven and Knitted Fabric.
   8
b) Explain working method of a spreading machine.
   4
c) Name any two spreading machines used in Garment Industry.
   4

Q4.

a) Explain Marketing and Merchandising.
   8
b) Explain how the patterns are graded with the help of CAD.
   4
c) Why 3D body form is used?
   4

Q5.

a) what are the advantages of Interlining and explain fusing?
   8
b) How are sewing machines classified?
   4
c) What are the activities of finishing Section?
   4

Q6.

a) Discuss the activities of cutting Section.
   8
b) What are the types of stitches used in apparel manufacturing?
   4
c) List 4 activities of Finishing section.
   4

Q7.

a) Compare the conventional & advanced production systems.
   8
b) Describe the activities of trimming section.
   4
c) Mention different stages of Fashion Cycle.
   4

Q8.

a) List 8 accessories used in Garment Industry.
   8
b) What are the activities of Industrial Engineering Department in Garment industry?
   4
c) Explain Pattern Grading.