THE TEXTILE ASSOCIATION (INDIA)  
GMTA EXAMINATION-2016  
SECTION -B B4  
APPAREL MANUFACTURE  

Date: 26.12.2016  Marks: 100  Time: 2.00 pm to 5.00 pm

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

Q.1a. Fill up the blanks: (05)  
i. Fit of the Garment is checked on _________.  
ii. Increase or decrease of the pattern from the base size is called _________.  
iii. Fabric has to be checked for _________. and _________ before issuing to cutting.  
iv. The interlining is bonded for small parts using _________ machine in cutting section.  
v. The parts of the Garment are attached together using _________.

Q.1b. Expand the following abbreviations: (05)  

a) SPI _________________________________.  
b) GSM _______________________________.  
c) SAM _______________________________.  
d) AQL _______________________________.  
e) CAD _______________________________.

Q.1c. State True or False: (05)  
1. Final checking is not required in finishing section.  
2. Space suit is a casual wear.  
3. Grading in patterns refers to change the pattern according to the specification of the garments.  
4. Curved rulers and French Curves are more extensively used in Pattern Section.  
5. A stitch joins two cut parts.

Q.1d. Match the following: (05)  

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<thead>
<tr>
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<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Button</td>
<td>Tracing Wheel</td>
<td>FTR</td>
<td>Surface ornamentation</td>
<td>Packing Materials</td>
</tr>
<tr>
<td>a</td>
<td>First Time Right</td>
<td>Embroidery</td>
<td>Accessory</td>
<td>Finishing Section</td>
<td>Pattern Section</td>
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</tbody>
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Q.2 a). What are basic blocks? Write the procedure for obtaining the basic blocks. (04)

b) List the physical properties of fabrics. (04)
c) Discuss usage of different types of fabrics used for apparel manufacturing.

Q.3 a) Briefly explain Fusing.
   b) Explain quality check in cutting section.
   c) Discuss Use of spreading machine in cutting.

Q.4 a) Explain how the patterns are graded with the help of CAD.
   b) What are the different threads used for sewing?
   c) Discuss batch setting.

Q.5 a) How are sewing machines classified?
   b) Write the advantage of 'Fusing'
   c) Discuss the activities of Finishing Section.

Q.6 a) What are the types of stitches used in apparel manufacturing?
   b) How is thread consumption calculated?
   c) Discuss the activities of Industrial Engineering Department

Q.7 a) Compare the conventional and advanced production systems
   b) Describe the activities of trimming section.
   c) Discuss the Fashion Cycle

Q.8 a) Discuss the automation and CIM in Garment manufacturing.
   b) What are the activities of Industrial Engineering Department in Garment Industry
   c) List eight accessories used in the Garment Industry