THE TEXTILE ASSOSIATION (INDIA)
G.M.T.A EXAMINATION -2018 SECTION-D PAPER-D-5
FABRIC STRUCTURE AND DESIGN
M.A.R.K.S-100

DATE- 26-12-2018
TIME-2 TO 5PM

Instructions
1. Attempt six questions out of which Q1 is compulsory.
2. Answer each next question on new page.
3. Figure to the right indicates 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. Answer TRUE OR FALSE
1. Huck-aback weave is a derivative of twill.
2. Beam warping facility alone can provide colour and weave effect in any design.
3. Terry towel weaving requires minimum one warp beam.
4. Dobby is essential for individual thread control during shedding.
5. Diamond twill weave provides maximum luster to fabrics.
6. Rotary sinker mechanism is required to weave terry pile fabrics.
7. Doup yarns are required for Pique fabrics.
8. Gauze is a type of colour and weave effect.
9. Green is a tertiary colour.
10. Denim is type of plain weave fabric.


Q3. List the different types of twill weaves possible on tappet loom along with 5 weave designs among them?

Q4. Illustrate 5 and 7 end satin weave design, draft and peg plan. Give details of conditions to be followed for creation of 5 and 7 end satin with respect to move number.

Q5. Explain in detail how Crows foot and Bird eye colour and weave effects are created without using dobby or jacquard in handloom industry.


Q7. What are the different types of double cloths? Explain with suitable diagram.

Q8. Write short notes on:
- Pique fabrics
- Velveteen fabrics
- Honey-comb weave
- Brocade design

X-X-X-X-X-X-X