THE TEXTILE ASSOCIATION (INDIA)
A.T.A. PART – III EXAMINATION – 2018
PAPER – A 3.OC
PRINTING AND FINISHING (Wet Processing II)

Date: 25.12.2018           MARKS: 100           Time: 10.00 am to 01.00 pm

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

Q.1 Attempt any Five

1. Write a note on the steaming of printed textiles.
2. Differentiate between Printing and Dyeing.
3. What are the objectives of finishing?
4. Write a note on the hand block printing of textiles.
5. Differentiate between temporary and permanent finishes.
6. Explain the term water repellents finishing of textiles. Give two applications.
7. Write a note on the stiff finishing of textiles.
8. With a neat labeled diagram, explain the milling process.

Q.2

1. Enlist and write the functions of different ingredients used in textile printing.
2. With a neat labeled diagram, explain the working and principle involved in sanforizing machine.

Q.3

1. Draw a neat labeled diagram of a rotary screen printing machine and write its working principle.
2. With a neat labeled diagram, explain the Crabbing processes in detail.

Q.4

1. Explain the resist and discharge styles of printing?
2. Write down the printing recipe and procedure in printing of cotton fabric using vat dyes by discharge style of printing.
Q.5
1. Explain the working principle of a print washer with a neat labeled diagram. Also write the importance of a washer in printing. 08
2. Explain the different mechanisms involved in flame retardancy of textiles. 08

Q.6
1. Write down the printing recipe, conditions and procedure in printing of polyester cotton blended fabric using disperse and reactive dyes by direct style of printing. 08
2. Write four advantages and limitations each of reactive and cationic softeners. 08

Q.7
1. What is transfer printing? Explain with the help of a neat labeled diagram. 08
2. Give the classification of crease resistant finishing chemicals with one example each. 08

Q.8
1. What is digital printing? Write the principle involved and write its pros and cons. 08
2. Write a detailed note on the different thickeners used in textile printing. 08