

Registration Number

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INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

Salem & Varanasi

Post Diploma in Textile Processing

NOV/DEC-2023 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 02

Time:3 Hours

Course Code & Title : PDTP202: Soft Skills & Personality
Development

Maximum Marks: 100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. What do you understand by Professional skills?
2. Write the importance of Goal setting.
3. Define Attitude.
4. How do you identify the good and bad habits?
5. Define motivation.
6. Define the term Personality.
7. Write the importance of management.
8. List down the techniques of team management.
9. Write the meaning of creativity.
10. What do you mean by Out of Box thinking?

PART-B

((6+10) ×5=80 Marks)

Answer all the questions in detail

11. A. Write the concept of Spiritual Intelligence. (6)
B. What are the soft skills and professional skills required to become a successful professional. (10)
- (OR)
C. Explain the ways to develop Potential and Self - Actualization (6)
D. Discuss in detail about (i) Goal Setting (ii) Human Perception. (10)
12. A. Explain the Will Power and its drives. (6)
B. Explain in brief about SWOT Analysis. (10)

(OR)

- C. Define attitudes and factors affecting attitude. (6)
- D. How to manage the challenges by implementing constructive thinking? (10)
13. A. Brief any two motivational theories in details. (6)
- B. Explain the stages of human growth and behaviour. (10)
- (OR)**
- C. Write the theories in personality. (6)
- D. Define communication, brief the types and the barriers of communication. (10)
14. A. Write the meaning, nature and importance of management. (6)
- B. Describe different types of Entrepreneurs in textile industry. (10)
- (OR)**
- C. Write the concept of leadership and qualities of a good leader. (6)
- D. Write down the role and importance of management in Handloom and Textile industry. (10)
15. A. What are the skills and tools used in creative thinking? (6)
- B. Learning as a lifelong process – Discuss. (10)
- (OR)**
- C. How do you manage the stress effectively - Discuss. (6)
- D. Explain in brief about preparation for presentation of a Project report. (10)

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INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

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Post Diploma in Textile Processing

NOV/DEC-2023 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 03

Time:3 Hours

Course Code & Title : **PDTP 203 Technology of Dyeing-II**

Maximum Marks:100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. Define heat setting.
2. State any four characteristics of carrier in polyester dyeing.
3. Differentiate between HTHP and Thermosol dyeing.
4. Enlist the demerits of soft over flow dyeing machine.
5. Differentiate between 1:1 and 1:2 metal complex dyes.
6. Enlist the effect of auxiliaries on the rate of dyeing.
7. Name the two important fiber characteristics that influence nylon dyeing.
8. List out any four demerits of garment dyeing process.
9. Outline the importance of fastness tests.
10. Suggest the method to evaluate light fastness of textiles.

PART-B

((6+10) ×5=80 Marks)

Answer all the questions in detail

11. A. Discuss the application procedure for carrier dyeing. (6)
B. Analyse the fault and remedies in the exhaust dyeing of polyester with disperse dye. (10)
- (OR)
- C. Write the mechanism of polyester dyeing (Adsorption, Diffusion and Fixation). (6)
D. Explain the method of heat setting for polyester fabrics. (10)
12. A. Write a neat sketch on Soft Overflow dyeing and their advantages. (6)
B. Analyse the requirements on dye choice and dyeing machine for HTHP. (10)
polyester dyeing.

(OR)

- C. What are the drawbacks in thermosol dyeing process. (6)
- D. Detail the working principle of jet dyeing machine with neat sketch. (10)

- 13. A. Draw the structures of nylon6 and nylon 66. (6)
- B. Discuss some of the major dyeing condition of acrylic fibers with cationic dye. (10)

(OR)

- C. Summarize the Barr's effect in nylon dyeing. (6)
- D. Critically analyses the effect of pH, Time and Temperature in dyeing of nylon with acid dyes. (10)

- 14. A. Discuss the process for dyeing of polyester/wool blends fabric. (6)
- B. Enumerate on the importance of auxiliaries used in textile dyeing process. (10)

(OR)

- C. Write the recipe for dyeing of polyester/cotton blend and acrylic/wool fabric. (6)
- D. Detail the working of rotary garment dyeing machine with neat sketch. (10)

- 15. A. Write short notes on light fastness (xenon arc lamp). (6)
- B. Discuss in detail about the determination of fastness to washing and rubbing test. (10)

(OR)

- C. Explain the evaluation system for fastness to perspiration test. (6)
- D. Enumerate the problems involved in reactive dyeing and suggest suitable measures to overcome the problems. (10)

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Post Diploma in Textile Processing

NOV/DEC-2023 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 02

Time:3 Hours

Course Code & Title : **PDPT204 : Technology of Printing**

Maximum Marks:100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. Definition of printing.
2. State any two differences between Dyeing & printing.
3. What are the stages involved in printing process?
4. List out the various type of screen frames?
5. Why defoaming agent is necessary for printing paste preparation?
6. Write any four limitations of rotary printing machine.
7. What are the limitations of discharge printing?
8. Classify the various styles of resist printing.
9. Elucidate the role of mordants in fabric printing using natural dyes.
10. How do you classify the pigments?

PART-B

(6+10) ×5=80 Marks)

Answer all the questions in detail

11. A. List out the various thickeners used in textile printing. (6)
B. Write short notes on (10)
 - (i) Pretreatments for printing.
 - (ii) Repeat of design.
- (OR)**
- C. What are the advantage and disadvantages of mechanized printing. (6)
 - D. Explain the ingredients of printing paste with functions & their concentration of usage. (10)
12. A. Write the importance of block printing and screen printing. (6)
B. Discuss in detail about the preparation of hand screens for printing machine. (10)

(OR)

- C. Discuss in detail about the preparation of printing screen for rotary screen printing machine. (6)
 - D. Explain in detail about working principle and construction of block printing. (10)
13. A. List out the merits and demerits of fully automatic screen printing machine. (6)
- B. Discuss in detail about working principle and construction of rotary printing machines. (10)

(OR)

- C. List out the essential ingredients for preparation of printing paste. (6)
 - D. Discuss in detail about working principle and construction of flat bed printing machines. (10)
14. A. What are the problems raising in the discharge printing method? (6)
- B. Explain the procedure for color and white discharge printing of cotton goods. And also explain problems encountered in discharge printing? (10)

(OR)

- C. Analyze the methods available for fixation and after treatment in printing process. (6)
 - D. Explain the different resist styles of printing adopted for cotton and What are the agents used in discharge printing? (10)
15. A. Describe the process of printing PET and blends with pigment printing technique. (6)
- B. Explain the limitation of natural dyes by synthetic materials and how these limitation can be overcome. (10)

(OR)

- C. Explain the application of natural dyes on direct style printing on cotton materials. (6)
- D. Elaborate on the various styles of printing available for polyester/cellulose blended fabrics. (10)
