

Registration Number

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INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

Salem & Varanasi

Post Diploma in Textile Processing

APRIL/MAY-2024 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 02

Time:3 Hours

Course Code & Title : **PDTP202 Soft skill and personality
Development**

Maximum Marks: 100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. Define Ethics.
2. Write the importance of Goal setting.
3. Define SWOT Analysis.
4. What are the positive attitudes?
5. What is Self Motivation?
6. Define Communication.
7. Write any two importance of Management.
8. Mention any two qualities of a good Leader.
9. What is Critical Thinking?
10. What is meant by Entrepreneurship?

PART-B

((6+10) ×5=80 Marks)

Answer all the questions in detail

11. A. Explain soft skills that are required for an individual to become more efficient. (6)
B. Explain in detail about the process of Life and Career Planning. (10)
- (OR)
- C. Explain the ways to develop potential and self actualization. (6)
D. How to understand the Human Perception in Textile Industry? (10)
12. A. Explain the Will Power and its drives. (6)
B. How to identify the Good and Bad habits of an Individual? (10)

(OR)

- C. Explain the types of Attitudes and factors affecting Attitudes. (6)
- D. How to manage the challenge by implementing constructive thinking? (10)
13. A. Write the theories in Personality. (6)
- B. Explain the theories of Motivation in detail. (10)
- (OR)**
- C. Explain the stages of Human Growth and Behaviour. (6)
- D. Explain the types of Communication and Barriers of Communication. (10)
14. A. Explain the function of Management. (6)
- B. Describe the different types of Entrepreneurship. (10)
- (OR)**
- C. Explain in brief about Team Management techniques. (6)
- D. Write down the roles and importance of management in Handloom and Textile Industry. (10)
15. A. Learning as a Life Long Process- Discuss. (6)
- B. Write the factors influencing Meditation and concentration. (10)
- (OR)**
- C. How do you manage the Stress Effectively- Discuss. (6)
- D. Write about Out of Box thinking and Lateral thinking skill as a tool of Creativity. (10)

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Post Diploma in Textile Processing

APRIL/MAY-2024 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 02

Time:3 Hours

Course Code & Title : **PDTP203 Technology of Dyeing II**

Maximum Marks:100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. What are the objects of heat setting?
2. What do you understand by reduction clearing treatment?
3. List out the machines used for the polyester dyeing.
4. What are the common defects occurring while dyeing of polyester?
5. Define the term polyamides.
6. What are the dyes used for acrylic dyeing
7. Name the different types of garment dyeing machines.
8. What are the advantages of the garment dyeing?
9. What is the principle of rubbing fastness
10. What is the need for testing the colour fastness

PART-B

((6+10) ×5=80 Marks)

Answer all the questions in detail

11. A. Explain the HTHP dyeing method of polyester. (6)
B. What is the need of heat setting? Explain the method of heat setting polyester & its effect on dyeing behavior. (10)
- (OR)
- C. What are the structural parameters of polyester making it difficult to dye? (6)
D. Explain the carrier dyeing method of polyester with its merits and demerits. (10)
12. A. Explain the defects occurred in HTHP beam dyeing machine while dyeing polyester. (6)
B. Describe the parts and working of Jet dyeing machine with neat diagram. (10)

(OR)

C. Explain the working of HTHP beam dyeing machine. (6)

D. Describe the thermosol method of dyeing polyester with neat diagram. (10)

13. A. Describe the properties of metal complex dyes and dyeing of nylon materials. (6)

B. Explain the dyeing of nylon with acid dyes and function of chemicals used in dyeing. (10)

(OR)

C. Classify acid dyes. (6)

D. Explain the dyeing process of acrylic fibers with cationic dyes. (10)

14. A. What are the objectives of blending? (6)

B. State the functions of levelling agents, exhausting agents, acid liberating agents and dispersing agents. (10)

(OR)

C. Write the process sequence of P/C & P/W blended fabrics. (6)

D. Give a detail notes on construction and working principle of garment dyeing machines. (10)

15. A. Write short notes on grey scale. (6)

B. What is fastness? Discuss in detail about the determination of fastness to washing. (10)

(OR)

C. What are the common defects observed in dyeing. (6)

D. Explain the evaluation system for fastness to rubbing with neat line diagram of crock meter. (10)

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Post Diploma in Textile Processing

APRIL/MAY-2024 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 02

Time:3 Hours

Course Code & Title : **PDTP204 Technology of Printing I**

Maximum Marks: 100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. Define Printing.
2. List some mechanized printing techniques.
3. Name the materials used in making blocks.
4. Write any two photosensitive chemicals used in screen making.
5. State the advantages of rotary screen printing.
6. Give the difference between semi- automatic and fully automatic flatbed screen printing machine.
7. What is the role of mild oxidizing agents in print paste?
8. Define curing.
9. Mention the methods of printing cotton with reactive dyes.
10. State the limitations of Natural dyes in printing.

PART-B

((6+10) ×5=80 Marks)

Answer all the questions in detail

11. A. Discuss the process sequence involved in the pretreatment of cotton fabrics for printing. (6)
B. Explain in detail on the non- mechanized printing techniques. (10)
(OR)
C. Write notes on the mechanized printing methods. (6)
D. Describe on the role of colour, design and repeat in printing textiles. (10)
12. A. Discuss on the precautions to be followed for hand block printing. (6)
B. Explain on the making of hand printing screens. (10)

(OR)

- C. Discuss on the working of hand screen printing and equipment used. (6)
- D. Explain on the methods of making printing screens. (10)

- 13. A. Discuss on the merits and demerits of block printing. (6)
- B. Explain with neat sketch the working of flat- bed screen printing machine. (10)

(OR)

- C. Write notes on the advantages of flat -bed screen printing and rotary printing methods. (6)
- D. Explain the working of rotary screen printing with neat sketch. (10)

- 14. A. Compare discharge and resist styles of printing. (6)
- B. Describe on the various print paste ingredients with example. (10)

(OR)

- C. Write notes on ageing and curing process. (6)
- D. Explain the process of printing cotton using pigments with recipe. (10)

- 15. A. Explain the process of printing of cotton using direct dyes with recipe. (6)
- B. Describe the process of printing of Cotton using reactive dye by wet development method. (10)

(OR)

- C. Discuss on the limitations of natural dyes. (6)
- D. Explain the process of printing of cotton textile using natural dyes. (10)
