

Registration Number

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INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

Varanasi

Post Diploma in Textile Processing

NOV/DEC-2025 SEMESTER EXAMINATION

(Regulation-2021)

Semester : II

Time:3 Hours

Course Code & Title : **PDTP202 `Soft Skills and Personality
Development**

Maximum Marks: 100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. Define the term Moral, Ethics and Values.
2. Write the importance of Goal setting.
3. What are Positive attitudes?
4. Why self-discipline is important?
5. Define Motivation.
6. Mention the objectives of Communication.
7. List down the qualities of a good leader.
8. What is meant by Management?
9. What do you mean by Out of Box thinking?
10. Write the meaning of Stress management.

PART-B

((6+10) ×5=80 Marks)

Answer all the questions in detail

11. A. What are the soft skill and professional skills required to become a successful professional. (6)
B. Explain in detail about the process of Life and Career planning. (10)
- (OR)
- C. Explain the factors influencing perception in detail. (6)
D. Define Entrepreneurship. Explain the stages of effective Entrepreneurial Development. (10)
12. A. Explain the types of Attitudes and factors affecting Attitudes. (6)
B. Explain in brief about SWOT analysis. (10)

(OR)

- C. How to manage the challenges by implementing constructive thinking? (6)
- D. Elaborate the process of building self-confidence and significance of self-discipline. (10)

- 13. A. Write the theories in Personality. (6)
- B. Define communication. Brief the types and barrier of communication. (10)

(OR)

- C. Elucidate the theories of Motivation. (6)
- D. Explain different Intra personal communication skill and right body languages. (10)

- 14. A. Explain the functions of Management. (6)
- B. Describe different types of Entrepreneur in textile industry. (10)

(OR)

- C. Elaborate the techniques and importance of Team Management. (6)
- D. What are the qualities and skills required for the best leader? Explain any real life role model leader and their qualities. (10)

- 15. A. Discuss the role of critical thinking in the process of problem solving. (6)
- B. Discuss the causes of stress and explain the types of stress. (10)

(OR)

- C. Write in detail about the Mnemonic techniques and Self Hypnotism. (6)
- D. Write the factors influencing Meditation and concentration. (10)

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Post Diploma in Textile Processing

NOV/DEC-2025 SEMESTER EXAMINATION

(Regulation-2021)

Semester : **II**

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. Write about the basic principle of polyester dyeing.
2. What is the role of carriers in polyester dyeing?
3. State two limitations of thermosol dyeing.
4. What is batching in HTHP dyeing?
5. Mention the monomers used for producing Nylon 6-6.
6. State the structural concept of acrylic fiber.
7. What is retarder?
8. Write two advantages of garment dyeing.
9. Mention any two defects commonly observed in dyeing and their remedies.
10. What do you mean by perspiration fastness testing?

PART-B

((6+10) ×5=80 Marks)

Answer all the questions in detail

11. A. Explain the need for heat-setting in polyester dyeing. (6)
B. Describe the carrier dyeing process of polyester with its merits and demerits. (10)
(OR)
C. Explain the structural parameters of polyester that affect dye uptake. (6)
D. Compare the carrier dyeing and HTHP method of dyeing polyester. (10)
12. A. Differentiate between jet dyeing machine and soft-flow dyeing machine. (6)

- B. Explain the thermosol dyeing process of polyester with neat diagram. (10)
- (OR)**
- C. Discuss foaming problems and rope marks in jet dyeing. (6)
- D. Explain the construction and working principle of beam dyeing machine with neat sketch. (10)
13. A. Classify acid dyes and explain their characteristics. (6)
- B. Explain in detail about the time, temperature and pH to be maintained in dyeing acrylic fiber using cationic dyes and also give the functions of the chemicals used. (10)
- (OR)**
- C. Compare the process of dyeing nylon with disperse, acid and metal complex dyes. (6)
- D. Discuss the dyeing of acrylic fibres using disperse dyes. (10)
14. A. Write the purpose of blend dyeing with examples. (6)
- B. Describe the process sequence and methods used for dyeing polyester/cotton blends. (10)
- (OR)**
- C. Explain the principle and applications of garment dyeing. (6)
- D. Discuss the functions of auxiliaries used in dyeing. (10)
15. A. Define colour fastness. Explain the use of grey scales in assessing fastness properties. (6)
- B. Describe the process of testing washing fastness of dyed materials. (10)
- (OR)**
- C. List the common dyeing faults in polyester and acrylic fibres. (6)
- D. Explain the method of determining light fastness of dyed materials. (10)

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NOV/DEC-2025 SEMESTER EXAMINATION

(Regulation-2021)

Semester : **II**

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. Name the various preparatory processes for printing.
3. What is block printing?
4. Name the chemicals used in preparation of printing screen.
5. What are rotary screens?
6. Write the difference between semi automatic and fully automatic flatbed screen printing machine.
7. What is ageing?
8. What is steaming?
9. What are the limitations of natural dyes?
10. Write the printing with natural dyes.

PART-B

((6+10) ×5=80 Marks)

Answer all the questions in detail

11. A. Write the importance of layout and repeat in printing textiles. (6)
B. Describe the preparatory processes for printing. (10)
- (OR)
C. Differentiate between dyeing and printing. (6)
D. Explain the mechanized and non-mechanized printing. (10)
12. A. Justify the statement that block making is a highly skillful job. (6)
B. Explain the photographic method for preparation of printing screens. (10)

(OR)

- C. Describe the working with hand screen printing. (6)
- D. Explain block printing method with details of equipments used in block printing. (10)
13. A. How are rotary screen prepared? (6)
- B. Explain the working of automatic flatbed screen printing machine. (10)
- (OR)**
- C. What are the advantages and disadvantages of block printing? (6)
- D. Describe the working of rotary screen printing machine with its advantages and disadvantages. (10)
14. A. Explain the direct, discharge and resist styles of printing. (6)
- B. What are the function of various ingredients used in print paste formulation? (10)
- (OR)**
- C. What is curing? (6)
- D. Describe the pigment printing with function of various ingredients. (10)
15. A. What are the advantages of natural dyes over synthetic dyes? (6)
- B. Explain the direct style of printing cotton with reactive dyes. (10)
- (OR)**
- C. Write the advantages and disadvantages of pigment printing. (6)
- D. Explain the direct style of printing cotton with pigments. (10)
