



C20-GT-302

7253

BOARD DIPLOMA EXAMINATION, (C-20)

OCTOBER/NOVEMBER—2023

DGT – THIRD SEMESTER EXAMINATION

TECHNOLOGY OF TEXTILE DYEING

Time : 3 Hours]

[Total Marks : 80

PART—A

3×10=30

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. State the objects of singeing.
2. List the enzymes used in desizing.
3. Define the term M/L ratio.
4. Define the term percentage shade.
5. Define the term dyeing.
6. List the fastness properties of reactive dyes.
7. List the advantages of reactive dyes.
8. Write the method of stripping of direct dyes.
9. Define the term vatting.
10. What is the importance of soaping in dyeing?

PART—B

8×5=40

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **eight** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. (a) Explain the gas singeing method with a diagram.

(OR)

(b) Describe bleaching with hydrogen peroxide.

12. (a) Explain about piece dyeing method.

(OR)

(b) Explain the application of sulphur dyes.

13. (a) Draw the classification chart of dyes.

(OR)

(b) Describe about reactive dyes.

14. (a) Explain the application of reactive dyes by hot dyeing method.

(OR)

(b) Explain the application method of direct dyes.

15. (a) Explain the application of azoic dyes by hot dissolving method.

(OR)

(b) Explain the application of vat dyes.

PART—C

10×1=10

- Instructions :** (1) Answer the following question.
(2) The question carries **ten** marks.
(3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

16. What impact of temperature and PH in bleaching is shown during use of hydrogen peroxide?

★★★