

Unit 3 - Week 1

Course outline

How does an NPTEL online course work?

Assignment Zero

Week 1

- Conventional printing
- Colourants
- Dyes and pigments
- Quiz : Assignment 1
- Week 1 Feedback Form

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

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Assignment 1

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-02-12, 23:59 IST.

Note: Choose correct options. More than one answer may be correct. All questions carry 2 marks

1) Scouring of cotton fabrics is done to 2 points

- Optimize the pH of fabric
- Increase the absorbance and transmittance of fabric
- Increase the water absorption capacity
- Remove fatty matter

No, the answer is incorrect.
Score: 0

Accepted Answers:
Increase the water absorption capacity
Remove fatty matter

2) Mercerization of cotton fabric 2 points

- Increases its lustre
- Decreases the solubility in cuprammonium hydroxide solution
- Reduces its dyeability
- Increases its dyeability

No, the answer is incorrect.
Score: 0

Accepted Answers:
Increases its lustre
Increases its dyeability

3) 3. Consider the following assertion (A) and reason (R) in the context of Sanforization of cotton fabrics 2 points

(A) It is a finishing process.
(R) It reduces laundry shrinkage.

Choose the correct option.

- Both (A) and (R) are correct
- Both (A) and (R) are wrong
- (A) is correct (R) is wrong
- (A) is wrong (R) is correct

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both (A) and (R) are correct

4) 4. Consider the following assertion (A) and reason (R) in the context of singeing. 2 points

(A) Singeing dissolves the hair protruding on cotton fabric
(R) It improves printing quality

Choose the correct option.

- Both (A) and (R) are correct
- Both (A) and (R) are wrong
- (A) is correct (R) is wrong
- (A) is wrong (R) is correct

No, the answer is incorrect.
Score: 0

Accepted Answers:
(A) is wrong (R) is correct

5) One needs to dye a fabric to 2 % shade. This can be done by exhaust process or padding process. Assuming that M:L ratio as 1:40 , exhaustion as 100 % and the wet expression as 75 % , the ratio of the dye concentration in the liquor for the exhaust process to that for padding process is..... 2 points

- 0.02
- 0.04
- 0.06
- 0.08

No, the answer is incorrect.
Score: 0

Accepted Answers:
0.02

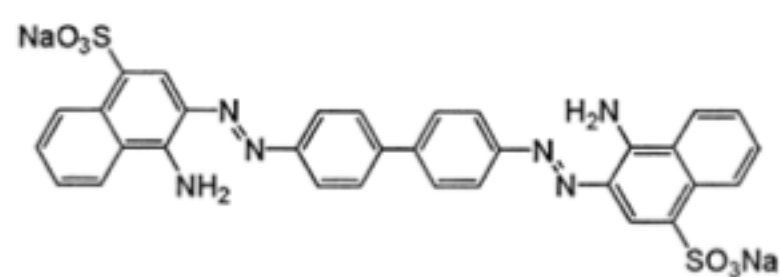
6) Freundlich isotherm becomes Nernst isotherm when 2 points

- k=1
- k=0.8
- n=1
- n=0.8

No, the answer is incorrect.
Score: 0

Accepted Answers:
n=1

7) Consider the following molecule, 2 points



- It is a direct dye
- It is a disperse dye
- It is a reactive dye
- It is a water soluble dye

No, the answer is incorrect.
Score: 0

Accepted Answers:
It is a direct dye
It is a water soluble dye

8) Consider the following assertion (A) and reason (R) in the context of printing. 2 points

(A) Requisite print viscosity can be obtained by sodium alginate
(R) Alginate thickening is good for printing cotton with reactive dyes

Choose the correct option.

- Both (A) and (R) are correct
- Both (A) and (R) are wrong
- (A) is correct (R) is wrong
- (A) is wrong (R) is correct

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both (A) and (R) are correct