

Unit 5 - Week 3

Course outline

How does an NPTEL online course work?

Assignment Zero

Week 1

Week 2

Week 3

Transfer Printing

Sublimation Transfer Printing : Paper Printing

Sublimation Transfer Printing : Dyes and inks

Revision and Doubt Clarification Session 1

Quiz : Assignment 3

Week 3 Feedback Form

Week 4

Week 5

Week 6

Week 7

Week 8

Text Transcripts

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Assignment 3

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

Due on 2020-02-19, 23:59 IST.

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

1) Reduction of indigo

2 points

- Produces insatin which is difficult to oxidize back to indigo
- Increases solubility
- Increases substantivity
- Converts carbonyl groups to hydroxyl groups

No, the answer is incorrect.
Score: 0

Accepted Answers:
Increases solubility

Converts carbonyl groups to hydroxyl groups

2) If white discharge is desired on indigoid based dyed ground, one would need a

2 points

- Water soluble blocking agent
- Water insoluble blocking agent
- Water soluble crosslinking agent
- Water insoluble crosslinking agent

No, the answer is incorrect.
Score: 0

Accepted Answers:
Water soluble blocking agent

3) Dischargeable reactive dyes are primarily

2 points

- Dichlorotriazine based
- Anthraquinone based
- Vinyl sulphone based
- Triphenyl methane based

No, the answer is incorrect.
Score: 0

Accepted Answers:
Vinyl sulphone based

4) Shift towards higher wavelength

2 points

- Means shift towards blue
- Means shift towards red
- Is called bathochromic shift
- Is called hypsochromic shift

No, the answer is incorrect.
Score: 0

Accepted Answers:
Means shift towards red

Is called bathochromic shift

5) Phenolphthalein gives

2 points

- Pink colour in alkaline medium
- Pink colour in acidic medium
- Blue colour in acidic medium
- Colourless solution in acidic medium

No, the answer is incorrect.
Score: 0

Accepted Answers:
Pink colour in alkaline medium

Colourless solution in acidic medium

6) Consider the following assertion (A) and reason (R) in the context of discharge printing

2 points

(A) Azo dyes are used as ground colour

(R) Because simple oxidation in air cannot develop the colour after discharging.

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

7) Consider the following assertion (A) and reason (R) in the context of resist style printing

2 points

(A) This style is more suitable for printing of polyester fabrics

(R) Diffusion of discharging agents in polyester is difficult

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

8) Consider the following assertion (A) and reason (R) in the context of pigment printing

2 points

(A) Polyelectrolytes are a good option

(R) These give brighter prints compared to starch thickening

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

9) Consider the following assertion (A) and reason (R) in the context of printing with reactive dyes

2 points

(A) Highly substantive reactive dyes are preferred for printing.

(R) These give less staining of the ground colour.

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 wrong

10) Consider the following assertion (A) and reason (R) in the context of basic dyes

2 points

(A) The light fastness of a typical basic dye on acrylics is poor compared to that obtained on cotton with the same dye.

(R) Dye does not diffuse into the fibre

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 wrong