

Unit 9 - Week 7

Course outline

How does an NPTEL online course work?

Assignment Zero

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Inkjet Printing

Printing inks

Revision and Doubt Clarification Session 2

Quiz : Assignment 7

Week 7 Feedback Form

Week 8

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Assignment 7

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

Due on 2020-03-18, 23:59 IST.

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

1) Compared to CIJ, the

2 points

- Production of D-o-D machines is higher
 Production of D-o-D machines is lower
 Operating frequency of D-o-D machines is lower
 Operating frequency of D-o-D machines is higher

No, the answer is incorrect.
Score: 0

Accepted Answers:
Production of D-o-D machines is lower
Operating frequency of D-o-D machines is lower

2) If the resolution is 600 dpi, space between the dots is approximately

2 points

- 60 μ m
 0.06 mm
 40 μ m
 0.04 mm

No, the answer is incorrect.
Score: 0

Accepted Answers:
40 μ m
0.04 mm

3) If the resolution of inkjet printing is increased, the speed of printing will

2 points

- Increase
 Decrease
 Not be affected
 Increase and then decrease after a critical level

No, the answer is incorrect.
Score: 0

Accepted Answers:
Decrease

4) For better inkjet printing, fabric should be

2 points

- Fed under a controlled tension
 Spread properly at the entry
 Moved continuously
 Gummed to the blanket

No, the answer is incorrect.
Score: 0

Accepted Answers:
Fed under a controlled tension
Spread properly at the entry
Gummed to the blanket

5) In a single pass ink-jet printing machine

2 points

- Print heads move
 Print heads are stationary
 Fabric moves
 Fabric is stationary

No, the answer is incorrect.
Score: 0

Accepted Answers:
Print heads are stationary
Fabric moves

6) Consider the following assertion (A) and reason (R) in the context of pre-treatment in inkjet printing

2 points

(A) Printing of silk with reactive dyes needs alkaline pre-treatment for fixation.
(R) In absence of this more hydrolyzed dyes are produced.

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

7) Consider the following assertion (A) and reason (R) in the context of gluing of conveyer belt

2 points

(A) Fabric is glued to conveyer belt before printing
(R) This reduces the slippage of the fabric during printing

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 gap between fabric and print head

2 points

(A) The gap between fabric surface and the printhead should be as large as possible
(R) This increases the quality of the print

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

9) Consider the following assertion (A) and reason (R) in the context of ink-jet printing

2 points

(A) Single pass machines have lower production speeds compared to multi-pass machines
(R) Multi-pass machines work at higher frequency

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 ink-jet printing

2 points

(A) Sublimation type disperse dyes are the best for transfer printing
(R) These dyes give very high sublimation fastness after transfer onto polyester fabrics

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 correct (R) is wrong