Unit 4 - Week 2

Assignment 2

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) Acid dyes are — *2 points*

- [ ] Dyed from acidic bath
- [ ] Basically acids
- [ ] Cationic
- [ ] Anionic

No, the answer is incorrect.
Score: 0
Accepted Answers:
Dyed from acidic bath
Basically acids
Anionic

2) Mono functional reactive dyes, as compared to homo-bifunctional reactive dyes, demonstrate — *2 points*

- ( ) High exhaustion
- ( ) Low exhaustion
- ( ) High tinctorial value
- ( ) Low light fastness

No, the answer is incorrect.
Score: 0
Accepted Answers:
High exhaustion

3) Alginate thickeners are — *2 points*

- [ ] Very low molecular weight compounds
- [ ] Shear-thickening in nature
- [ ] Shear-thinning in nature
- [ ] Used for printing with reactive dyes

No, the answer is incorrect.
Score: 0
Accepted Answers:
Shear-thinning in nature
Used for printing with reactive dyes

4) If the hydrophilic portion of a modified surfactant is increased to 3 times that of the original compound, the Change (%) in HLB value will be — *2 points*

- ( ) 100
- ( ) 200
- ( ) 300
- ( ) 400

No, the answer is incorrect.
Score: 0
Accepted Answers:
200

5) Viscosity of print paste can be measured by ball fall method. True statement/s is/are — *2 points*

- ( ) The test is based on Stokes' principle
- ( ) Brookfield principle is applicable in this case
- ( ) Ball will go up if the density of the ball is higher than the paste
- ( ) Ball will move down with a constant acceleration irrespective of the distance travelled

No, the answer is incorrect.
Score: 0
Accepted Answers:
The test is based on Stokes' principle

6) Consider the following assertion (A) and reason (R) in the context of discharge printing — *2 points*

(A) Illuminating colours are used for colour discharge
(R) These reduce easily

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

7) Consider the following assertion (A) and reason (R) — *2 points*

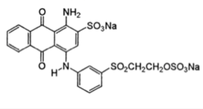
(A) The viscosity of a thickening agent would increase if molecular weight is increased
(R) Molecular entanglements increase as a result

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

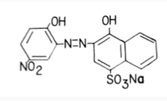
8) The following dye structure represents a — *2 points*



- [ ] Direct dye
- [ ] Disperse dye
- [ ] Reactive dye
- [ ] Vinyl sulfone based dye

No, the answer is incorrect.
Score: 0
Accepted Answers:
Reactive dye
Vinyl sulfone based dye

9) The following structure represents — *2 points*



- ( ) Basic dye
- ( ) Direct dye
- ( ) Disperse dye
- ( ) Acid mordant dye

No, the answer is incorrect.
Score: 0
Accepted Answers:
Acid mordant dye

10) Consider the following assertion (A) and reason (R) — *2 points*

(A) Methylene blue is used to assess the carboxyl content in cotton
(R) It is a cationic dye

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