

Synopsis Batch A

* Required

1. Email address *

2. Full name of the student *

3. Enrollment Number *

4. In the dispersion of sulphur in water, acacia is used as an *

1 point

Mark only one oval.

- Complexing agent
- wetting agent
- detergent
- Deflocculating agent

5. HLB range of lipophilic surfactant is *

1 point

Mark only one oval.

- 2 to 9
- 9 to 16
- 16 to 20
- above 20

6. For wetting of solids by liquids the contact angle should have a value nearly *

1 point

Mark only one oval.

- 0
- 90
- 180
- 270

7. When cetyl alcohol is added to water, it appears on the water surface as *

1 point

Mark only one oval.

- duplex film
- insoluble monolayer
- lens
- soluble monolayer

8. Solid/solid interfaces are important in *

1 point

Mark only one oval.

- emulsions
- pastes
- suspensions
- tablets

9. The higher the cohesive forces, the greater is the physical property. Identify *

1 point

Mark only one oval.

- Dipole moment
- Optical rotation
- Refractive index
- Surface tension

10. When sugar is added to water the surface tension will *

1 point

Mark only one oval.

- Increase
- Decreases
- Not affected
- zero

11. The rise in the capillary tube does NOT depend up on *

1 point

Mark only one oval.

- atmospheric pressure
- density of liquid
- radius of capillary
- temperature

12. Pair of liquids that are miscible in all proportions are known as *

1 point

Mark only one oval.

- Binary liquids
- concentrated liquids
- polar liquids
- saturated liquids

13. Iodine is soluble in *

1 point

Mark only one oval.

Carbon tetrachloride

Ethanol

starch

water

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Lab Internal Examination_BP 306 P_21-09-2020_BATCH B

I Synopsis : 10 Marks

* Required

1. Email address *

2. Name of The Student *

3. Enrollment Number(WRITE PROPER NUMBER) *

4. Which of the following is frequently used as a cosolvent *

1 point

Mark only one oval.

- Ethyl alcohol
- glycerin
- peg 300
- Propylene glycol

5. In micellar solubilization which one of the following s used used

1 point

Mark only one oval.

- Acetone
- Ethyl oleate
- PEG
- Tween 80

6. One of the following is not an advantage of pH Meter *

1 point

Mark only one oval.

- Suitable for Viscous gels
- Sensitivity is high
- pH measurement is large
- equilibrium is attained rapidly

7. If the concentration of solid in liquid is higher than the equilibrium solubility such a solution is known as *

1 point

Mark only one oval.

- supersaturated solution
- equilibrium solution
- saturated solution
- unsaturated solution

8. Alkaloids are more soluble in *

1 point

Mark only one oval.

- acidic media
- alkaline media
- basic media
- neutral media

9. polysorbate 80 is an surfactant of type *

1 point

Mark only one oval.

- Amphiionic
- anionic
- cationic
- non ionic

10. Near CMC micelles of surfactant molecules assume shape of *

1 point

Mark only one oval.

- Cylinder
- layered
- rod shaped
- spherical

11. Which is an example of cationic surfactant *

1 point

Mark only one oval.

- Benzalkonium chloride
- Polysorbate 80
- Sodium lauryl sulphate
- sorbiton monooleate

12. the HLB value of lipophilic surfactant is *

1 point

Mark only one oval.

- 2 to 9
- 9 to 16
- 16 to 20
- above 20

13. When distilled water is in contact with a clean glass capillary the $\cos O(\text{Teta})$ Value is *

1 point

Mark only one oval.

- 180
- 90
- one
- zero

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BATCH C SYNOPSIS

I SYNOPSIS-10 MARKS

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detergent

Deflocculating agent

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