Assignment 0

Due on 2020-01-27, 23:59 IST.

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

1. With an optical microscope, it is possible to visualize objects that are
   a. as to be
   b. as to see
   c. as to view
   d. as to view
   If the answer is incorrect, Score: 0
   Accepted Answers:
   a. as to be
   b. as to see
   c. as to view
   d. as to view
   Score: 0

2. A whiteboard marker can write on a vertical board, while regular ball pen cannot write on a vertical sheet of paper. This is because
   a. The viscosity of the ink of the whiteboard marker is less.
   b. In whiteboard marker, the flow is due to capillary effect.
   c. The flow in whiteboard marker is due to gravity.
   d. All of the above.
   If the answer is incorrect, Score: 0
   Accepted Answers:
   a. The viscosity of the ink of the whiteboard marker is less.
   b. In whiteboard marker, the flow is due to capillary effect.
   c. The flow in whiteboard marker is due to gravity.
   d. All of the above.
   Score: 0

3. A wave drop rolls in the beach because
   a. Leaf has rhizoidal root
   b. Leaf has rhizomes
   c. Leaf is thin
   d. It does not roll off
   If the answer is incorrect, Score: 0
   Accepted Answers:
   a. Leaf has rhizoidal root
   b. Leaf has rhizomes
   c. Leaf is thin
   d. It does not roll off
   Score: 0

4. Surface tension is
   a. Inverse of density of the material.
   b. Energy required to lift the material by 1 m.
   c. Energy required to create 1 m² of the material.
   d. Energy required to spread 1 g, of the material.
   If the answer is incorrect, Score: 0
   Accepted Answers:
   c. Energy required to create 1 m² of the material.
   Score: 0

5. Water flows faster than honey because
   a. Horse has lower density.
   b. Honey has higher viscosity.
   c. Horse has higher surface tension.
   d. Horse has higher vapour pressure.
   If the answer is incorrect, Score: 0
   Accepted Answers:
   b. Honey has higher viscosity.
   Score: 0

6. Many times an organic solvent can be because
   a. It has higher density.
   b. It has higher viscosity.
   c. It has higher surface tension.
   d. It has higher vapour pressure.
   If the answer is incorrect, Score: 0
   Accepted Answers:
   a. It has higher density.
   Score: 0

7. Van der Waals’s interaction is possible
   a. In all types of material.
   b. In polar material.
   c. In ionic material.
   d. In isoster material.
   If the answer is incorrect, Score: 0
   Accepted Answers:
   a. In all types of material.
   Score: 0

8. A surfactant molecule is
   a. Inorganic.
   b. Organic.
   c. A combination of both organic and inorganic.
   d. All of the above.
   If the answer is incorrect, Score: 0
   Accepted Answers:
   d. All of the above.
   Score: 0

9. Back side of a CD shows rainbow colour because
   a. It is coloured like this.
   b. There is refraction.
   c. There is reflection.
   d. There is diffraction.
   If the answer is incorrect, Score: 0
   Accepted Answers:
   d. There is diffraction.
   Score: 0

10. A liquid drop on a flat surface takes up hemispherical shape because of
   a. Density.
   b. Viscosity.
   c. Surface tension.
   d. All of the above.
   If the answer is incorrect, Score: 0
   Accepted Answers:
   d. All of the above.
   Score: 0

11. Surface tension
   a. "all of the above"
   b. "none of the above"
   c. "density only"
   d. "viscosity only"
   "Surface tension"
   a. "all of the above"
   b. "none of the above"
   c. "density only"
   d. "viscosity only"