Unit 1 - How to access the portal?

Assignment 0

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

1) Which of the following is not categorised as a “mechanical operation”?
   - Filtration
   - Agitation
   - Size enlargement
   - Humidification

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

2) Increasing order of hardness of the materials is
   - Quartz, limestone, talc
   - Talc, quartz, limestone
   - Talc, limestone, quartz
   - Quartz, talc, limestone

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Talc, limestone, quartz

3) The property of material that does not change with its size is
   - Thermal property
   - Surface area
   - Density
   - Optical property

   1 point
No, the answer is incorrect.  
Score: 0
Accepted Answers:
Particle dynamics

5) Water is flowing at a flow rate of 3600 m³/hr through unit area of cross section, 1 point
its velocity is

- 10 m/s
- 1 m/s
- 3.6 m/s
- 0.36 m/s

No, the answer is incorrect.  
Score: 0
Accepted Answers:
1 m/s

6) Laminar flow region is said to exist during the flow of water in a pipe, when 1 point
the value of Reynolds number is

- <2100
- >2100
- >4000
- 2100<Re<4000

No, the answer is incorrect.  
Score: 0
Accepted Answers:
<2100

7) At high Reynolds number 1 point
inertial forces are unimportant and viscous forces control
viscous forces predominate
inertial forces control and viscous forces are unimportant
none of these

No, the answer is incorrect.  
Score: 0
Accepted Answers:
inertial forces control and viscous forces are unimportant

8) Which of the following is not concerned with the fluid-particle interaction? 1 point
Drag co-efficient
Froude number
Galileo number
Weber number

No, the answer is incorrect.
9) Which of the following is not a dimension-less parameter?

- Specific gravity
- Fanning friction factor
- Reynolds number
- None of these

No, the answer is incorrect.

Score: 0
Accepted Answers:
None of these

10) Viscosity of a liquid

- Decreases with increase in temperature
- Increases with increase in temperature
- Do not change with temperature & pressure
- None of these

No, the answer is incorrect.

Score: 0
Accepted Answers:
Decreases with increase in temperature