Week 2 Assignment 2

The due date for submitting this assignment has passed. Due on 2018-02-07, 23:59 IST.

Submitted assignment

1) Sieving can be carried out with ___________ materials

   - Dry
   - Wet
   - Both
   - None

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

2) If fine dust is present in the sample, _____________ may be required before processing.

   - Agglomeration
   - Thickening
   - Dewatering
   - Desliming

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

3) _________________ technique is used for measuring particle density.

   - Fluid displacement
   - Image Analysis
   - X-ray diffraction
   - None

   No, the answer is incorrect.
   Score: 0
No, the answer is incorrect.
Score: 0
Accepted Answers:
Mohr's Scale

5) Calculate the sphericity of a cylinder of diameter 1 cm and height 3 cm.  
- 0.79
- 0.87
- 0.50
- 0.55

No, the answer is incorrect.
Score: 0
Accepted Answers:
0.79

6) Test sieves are generally made up of _____________________.
- Iron
- Copper
- Brass
- Silver

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

7) The distribution of particle sizes in a crushed product generally follow _____________________.
- log-normal distribution
- normal distribution
- Both
- None

No, the answer is incorrect.
Score: 0
Accepted Answers:
log-normal distribution

8) What is the multiplying factor for converting size of sample measured in sieves to LASER diffraction?
- 0.5
- 1.5
- 0.94
- 1

No, the answer is incorrect.
Score: 0
9) Nitrogen adsorption technique can be used to measure the _________ of particles.  [2 points]
   - Density
   - Size
   - Porosity
   - Surface Energy

No, the answer is incorrect.
Score: 0

Accepted Answers:
Porosity

10) Angle of repose of granular materials varies from 0 degree to __________ degree.  [2 points]
   - 90
   - 45
   - 180
   - 270

No, the answer is incorrect.
Score: 0

Accepted Answers:
90

11) Wet Screening is preferred when particle size is less than __________ microns.  [2 points]
   - 200
   - 75
   - 500
   - 1000

No, the answer is incorrect.
Score: 0

Accepted Answers:
75

12) Mesh Number may be defined as the number of wires per ___________.  [2 points]
   - Centimeter
   - Linear Inch
   - Square Inch
   - Millimeter

No, the answer is incorrect.
Score: 0

Accepted Answers:
Linear Inch

13) Below 38µm size, the sieving operation is referred to as ___________.  [2 points]
   - Sedimentation
   - Elutriation
   - Sub - Sieving
14) Aperture size ______________ with increase in mesh number.  
- Increases  
- Decreases  
- Remains Constant  
- None  

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
- Sub - Sieving 

15) LASER diffraction techniques measure ______________ of particles.  
- Hydrodynamic Radius  
- Equivalent Spherical Diameter  
- Lengths  
- Aerodynamic diameters  

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
- Equivalent Spherical Diameter