

Metallurgy Mineral Dressing Quiz Questions and Answers Pdf

1. Crushing efficiency is the ratio of the
 - a. Surface energy created by crushing to the energy absorbed by the solid
 - b. Energy absorbed by the solid to that fed to the machine
 - c. Energy fed to the machine to the surface energy created by the crushing
 - d. Energy absorbed by the solid to the surface energy created by the crushing

Ans: A

2. Which of the following cannot be recommended for transportation of abrasive materials?
 - a. Belt conveyor
 - b. Apron conveyor
 - c. Flight conveyor
 - d. Chain conveyor

Ans: C

3. Mesh number indicates the number of holes per
 - a. Square inch
 - b. Linear inch
 - c. Square foot
 - d. Linear foot

Ans: B

4. For efficient grinding, ball mills must be operated
 - a. At a speed less than critical speed
 - b. At a speed more than critical speed
 - c. At a speed equal to critical speed
 - d. With minimum possible small balls

Ans: A

5. Which mode of size reduction is used by jaw crushers?
 - a. Cutting
 - b. Impact

- c. Attrition
- d. Compression

Ans: D

6. Which is a comminuting equipment?

- a. Trommel
- b. Crusher
- c. Classifier
- d. Filter

As: B

7. The filtrate flow rate in a constant pressure filtration

- a. Continuously increases
- b. Continuously decreases
- c. Remains constant throughout
- d. May increase or decrease; depends on the pressure

Ans: B

8. Limestone is normally crushed in a

- a. Roll crusher
- b. Hammer crusher
- c. Ball mill
- d. Tube mill

Ans: B

9. Grindability of a material does not depend upon its

- a. Elasticity
- b. Hardness
- c. Toughness
- d. Size

Ans: D

10. Which of the following minerals is not subjected to magnetic separation method?

- a. Rutile

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- b. Galena
- c. Chromite
- d. Siderite

Ans: B

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