

Mechanical Operations Question Bank Pdf

1. Supporting legs of a plate and frame filter is normally made of

- a. stainless steel
- b. cast iron
- c. high speed steel
- d. wooden plank

Ans: B

2. The liquid used as sorting medium in the differential settling method should have a density

- a. Higher than that of either substance
- b. Lower than that of either substance
- c. Which is intermediate between densities of the light and heavy substance
- d. Equal to 4 gm/cc and densities of the substance to be have nothing to do with the selection of the liquid

Ans: B

3. In bag filters, filter fabrics are never made of

- a. metallic wire woven mesh
- b. polyester fibres
- c. cotton fibres
- d. nylon fibres

Ans: A

4. Which of the following crushers can be considered as a combination of a jaw crusher and a roller crusher?

- a. Rod mill
- b. Fluid energy mill
- c. Gyrotory crusher
- d. Ball mill

Ans: C

5. During agitation of liquids, power consumption during laminar flow is not proportional to the

- a. Density of the liquid
- b. Viscosity of the liquid
- c. Cube of impeller diameters
- d. Square of rotational speed

Ans: A

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