



- Q.3 (a) Write in brief principle, construction and operation of ball mill. [06]  
(b) Classify size reduction equipment in detail and write the importance of size reduction operation. [06]

OR

- (b) Explain principle, construction and working of Jaw crusher. [06]

- Q.4 (a) Give classification of pump and discuss in detail different criteria for selection of pump. [06]  
(b) Write a note on centrifugal pump. [06]

OR

- (b) Write a note reciprocating pump. [06]

- Q.5 (a) Write a note on rotary drum vacuum filter. [06]  
(b) Write a note on Plate & Frame filter press. [06]

OR

- (b) What is drying? Explain typical rate of drying curve under constant drying condition. [06]

- Q.6 (a) Write a note on Azeotropic distillation. [06]  
(b) Explain in brief classification and flow patterns of impellers. [06]

OR

- (b) Derive the equation for heat flow through cylinder by conduction. [06]

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