

- Q.31 Describe working of hammer mill.
 Q.32 Describe working of hammer mill.
 Q.33 Define grinding. Name two grinding machines.
 Q.34 Explain working of pug mill.
 Q.35 Write function and uses of hot isostatic press.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three Questions. (2x10=20)

- Q.36 Describe principal, construction and working of filter press with neat sketch.
 Q.37 Classify the dryers. Explain tunnel dryer.
 Q.38 Explain principal, construction and working of ball mill.

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SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (10x1=10)

- Q.1 Pan grinding is used for _____.
 a) Wet materials b) Moist material
 c) Dry materials d) All of these
- Q.2 Iron particles can be removed with the help of _____.
 a) Sieve shaker b) Magnetic separator
 c) Filter press d) None of these
- Q.3 Centrifugal pump is used to _____.
 a) Lift powder b) Lift slurry
 c) Lift plastic mass d) None of these
- Q.4 Potter wheel is used as _____.
 a) Separating machine b) Shaping machine
 c) Drying machine d) None of these
- Q.5 Tunnel kiln is used for _____.
 a) Drying b) Firing
 c) Shaping d) All of these

- Q.6 Soundness of cement can be determine by _____
 a) Vicat's apparatus b) Le- chateller's apparatus
 c) Autoclave machine d) None of these
- Q.7 Efficient running of ball mill depend on
 a) Speed of ball mill b) Size of balls
 c) Quantity of balls d) All of these
- Q.8 _____ is used to classify raw materials as per their size.
 a) Magnetic separator b) Sieve shaker
 c) Agitator d) None of these
- Q.9 Dryer is used for _____
 a) Crushing b) Drying
 c) Grinding d) All of these
- Q.10 The speed of blunger is approximately
 a) 500 RPM b) 100 RPM
 c) 1000 RPM d) None of these

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Jaw crusher is crushing machie. (True/False)
- Q.12 Diaphragm pump is used to lift slurry. (True/False)
- Q.13 Autoclave machine works on the principle of removing water from slurry. (True/False)
- Q.14 Tunnel dryer is continuous dryer. (True/False)

- Q.15 Final setting time of cement can be determined by Vicat's apparatus. (True/False)
- Q.16 Ball mill is an grinding machine. (True/False)
- Q.17 Screw pressing machine is the example of shaping machine. (True/False)
- Q.18 Pot mill is used for grinding purpose. (True/False)
- Q.19 Semi & Fully automatic jigger is shaping machine. (True/False)
- Q.20 Bucket conveyor is used to transport the materials. (True/False)

SECTION-C

Note: Short answer type Questions. Attempt any twelve questions out of fifteen Questions. (12x5=60)

- Q.21 Define crushing process.
- Q.22 Differentiate between jigger & jolly machine.
- Q.23 Explain working of filter press.
- Q.24 Explain tape casting process.
- Q.25 Describe working of injection moulding.
- Q.26 Describe size separation process.
- Q.27 Define potter wheel.
- Q.28 Write short note on hydraulic press.
- Q.29 List different type of conveyor and explain any one.
- Q.30 Explain corridor dryer.