

- Q.24 Explain jigger and jolly machine.
- Q.25 Explain vicat apparatus.
- Q.26 Describe working of pug mill.
- Q.27 Explain tape casting process.
- Q.28 Explain working of belt conveyor.
- Q.29 Name different type of equipments used to convey the materials.
- Q.30 Explain construction of tube mill.
- Q.31 Explain Tunnel dryer.
- Q.32 Define potter wheel.
- Q.33 Write important parameter of screw pressing machine.
- Q.34 Describe working of hot isostatic press.
- Q.35 Write function and uses of magnetic separator.

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**3rd Sem / Ceramic
Subject:- Ceramic Machineries**

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory $(10 \times 1 = 10)$

- Q.1 Grinding is carried out by-
- a) Gyratory crusher b) Jaw crusher
 - c) Ball mill d) All of these
- Q.2 Shape of blunger is-
- a) Circular b) oval
 - c) Hexagonal d) All of these
- Q.3 Pot mill is used for-
- a) Crushing b) Sieving
 - c) Grinding d) None of these
- Q.4 Diaphragm pump is used to-
- a) Lift powder b) Lift lumps
 - c) Lift slurry d) All of these

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(2 \times 10 = 20)$

- Q.36 Explain principle, construction and working of filter press.
- Q.37 Explain construction, working of ball mill and main factor affecting grinding efficiency.
- Q.38 Classify the dryer? Explain batch dryer.

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- Q.5 Magnetic separator is used for-
- a) Powder material b) Slip material
 - c) Iron particle d) None of these
- Q.6 The speed of blunger is approximately-
- a) 10 rpm b) 1000 rpm
 - c) 100 rpm d) 500 rpm
- Q.7 Blunger is used to-
- a) Mixing b) Grinding
 - c) Crushing d) Pressing
- Q.8 Tunnel dryer is _____.
- a) Continuous dryer b) Batch dryer
 - c) Temporary dryer d) None of these
- Q.9 Vicat's apparatus is used to test _____ of cement.
- a) Initial & final setting time
 - b) Mixing
 - c) Shaping
 - d) None of these
- Q.10 Agitator is used for temporary storage of _____.
- a) Casting slip b) Water
 - c) Mixed powder d) None of these

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Gyratory crusher is grinding machine.(T/F)
- Q.12 Ball mill is used as grinding machine.(T/F)
- Q.13 Magnetic separator is used to remove iron particle.. .(T/F)
- Q.14 Jigger & Jolly is shaping machine. (T/F)
- Q.15 Shuttle dryer is batch dryer. (T/F)
- Q.16 Extrusion process is used for shaping of Ceramic ware. (T/F)
- Q.17 Initial setting time of cement can be determined by Vicat's apparatus.(T/F)
- Q.18 Potter wheel is used as shaping machine.(T/F)
- Q.19 Moisture can be removed in oven dryer.(T/F)
- Q.20 Belt conveyor is used to shift the material.(T/F)

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Name of any five grinding equipments.
- Q.22 Describe working of Injection moulding.
- Q.23 Explain working of batch dryer.

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