

- Q.25 Write short note on pot mill.
 Q.26 Describe working of pug mill.
 Q.27 Explain tape casting process.
 Q.28 Explain working of chain conveyor.

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

Time : 3Hrs. M.M. : 100

- Q.29 Name different equipment used to convey the materials.
 Q.30 Explain construction of pug 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 vibrating sieve.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=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 tunnel dryer.

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Which of the following is used as secondary crusher:
 a) Gyratory crusher b) Jaw crusher
 c) Ball mill d) None of these
- Q.2 Shape of blunger is-
 a) Circular b) Hexagonals
 c) Straight d) All of these
- Q.3 Pot mill is used for-
 a) Crushing b) Grinding
 c) Separating d) None of these
- Q.4 Diaphragm pump is used to-
 a) Lift slurry b) Lift lumps
 c) Lift powder d) All of these
- Q.5 Funnel type magnetic separator is used for-
 a) Powder material b) Slip material
 c) Lumps material d) none of these

Q6 Gyratory crusher is based on the principle of-

- a) Crunch
- b) Compression
- c) Both (a) and (b)
- d) None of these

Q.7 Blunger is used to-

- a) Mixing
- b) Grinding
- c) Crushing
- d) Pressing

Q8 Dryer is used for _____ process.

- a) Drying
- b) Mixing
- c) Grinding
- d) None of these

Q.9 Vicat's apparatus is used to test _____ of cement.

- a) Mixing
- b) Initial & Final setting time
- c) Shaping
- d) None of these

Q.10 Agitator is used for temporary storage of _____.

- a) Raw material
- b) Casting slip
- c) Mixed powder
- d) None of these

SECTION-B

Note: Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$

Q.11 Jaw crusher is grinding machine. (T/F)

Q.12 Tube 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 Chamber 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 a mixing machine, (T/F)

Q.19 Moisture can be removed in oven. (T/F)

Q.20 Chain conveyor is used to shift the material. (T/F)

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. $(12 \times 5 = 60)$

Q.21 Define Grinding process.

Q.22 Describe working of Injection moulding.

Q.23 Explain working of batch dryer.

Q.24 Explain Jigger and Jolly machine.