

- Q.29 Name different equipment used to convey the materials.
- Q.30 Explain construction of pug mill.
- Q.31 Explain Tunnel dryer.
- Q.32 Describe working of Vicat's apparatus.
- Q.33 Write important parameter of screw pressing machine.
- Q.34 Describe working of hot isostatic press.
- Q.35 Explain screw conveyer.

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 De-airing pug mill.
- Q.37 Explain construction, working of ball mill and main factor affecting grinding efficiency.
- Q.38 Explain raw materials handling equipment in detail.

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**3rd Sem / Ceramic Engg.
Subject:- Ceramic Mechaniries**

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Jaw Crusher is used as-
- a) Primary crusher b) Secondary crusher
 - c) Middle crusher d) None of these
- Q.2 The speed of blunger is approximately -
- a) 10 RPM b) 100 RPM
 - c) 1000 RPM d) 10000 RPM
- Q.3 Pot mill is used for
- a) Crushing b) Grinding
 - c) Separating d) All of these
- Q.4 Shape of blunger is-
- a) Circular b) Hexagonal
 - c) Straight 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
- Q.6 Gyratory crusher is based on the principle of-
 a) Crunch b) Compression
 c) Both (a) and (b) d) None of these
- Q.7 Diaphragm pump is used to-
 a) Lift slurry b) Lift lumps
 c) Lift powder d) None of these
- Q.8 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) Initial & Final setting time
 b) Mixing
 c) Shaping
 d) None of these
- Q.10 Agitator is used for temporary storage of _____
 a) Slip b) Plastic clay
 c) Mixed powder d) None of these

SECTION-B

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

Q.11 Gyratory crusher is crushing machine. (T/F)

- Q.12 Ball mill is used as grinding machine. (T/F)
- Q.13 Magnetic separator is used to remove clay 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 a shaping machine . (T/F)
- Q.19 Slurry can be lifted by diaphragm pump. (T/F)
- Q.20 Moisture can be removed in oven. (T/F)

SECTION-C

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

- Q.21 Define crushing and Grinding process.
- Q.22 Describe working of jaw crusher.
- Q.23 Explain working of shuttle dryer.
- Q.24 Explain jigger and jolly machine.
- Q.25 Write short note on pot mill.
- Q.26 Describe working of injection molding.
- Q.27 Explain tape casting process.
- Q.28 Explain working of extruders.