

- Q.28 Explain the working of vacuum filter.
 Q.29 Explain tape casting.
 Q.30 Describe working of Autoclave machine.
 Q.31 Explain magnetic separators.
 Q.32 Explain Lechatlier apparatus.
 Q.33 VDescribe working of Hammer Mill.
 Q.34 Describe working of jaw crusher.
 Q.35 Classify the dryer? Explain batch dryer.

SECTION-D

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

- Q.36 Describe principle, construction and working of filter press.
 Q.37 Explain in detail principle, construction, and working of ball mill with neat sketch.
 Q.38 Describe working of Tunnel Kiln with diagram showing different temperature zones.

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3rd Sem / Ceramic Engineering Subject:- Ceramics Machineries

Time : 3Hrs. M.M. : 100

SECTION-A

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

- Q.1 Which of the following is used as primary reduction equipment:
 a) Jaw crusher b) Gyratory Crusher
 c) Both (a) and (b) d) None of these
 Q.2 Tunnel dryer is a example of -
 a) Continuous dryer b) Batch dryer
 c) Both (a) and (b) d) None of these
 Q.3 Press is used to shape
 a) Flat ware b) Hollow ware
 c) Both (a) and (b) d) None of these
 Q.4 Jaw Crusher cannot crush-
 a) Soft material b) Sticky material
 c) Dry material d) Heavy material
 Q.5 Vicat's apparatus is used to test
 a) Cement b) Glass
 c) Whiteware d) Refractories

- Q.6 The material used to make Blunger is _____
 a) Glaze b) Cement & concrete
 c) Glass d) None of these
- Q.7 Agitator's are used to keep slip in _____
 a) Stationary b) Suspension
 c) Powder d) All of these
- Q.8 Dobbin is used for -
 a) Drying b) Mixing
 c) Firing d) Crushing
- Q.9 Which type of the shaping machine used in tile industry-
 a) Potter's Wheel b) Jiggering machine
 c) Pressing machine d) All of these
- Q.10 MOR apparatus is used to test-
 a) Flexural/Bending strength
 b) Crazing
 c) Fineness
 d) Setting time

SECTION-B

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

- Q.11 Pebbles are used as _____ media. (Crushing, Grinding)
- Q.12 Milling is carried out in _____ crusher. (Jaw, Ball)

- Q.13 Jaw crusher used as _____. (Primary crusher/ Secondary crusher)
- Q.14 Moisture can be removed in _____. (Dryer, Kiln)
- Q.15 Chamber dryer is _____ dryer. (Continuous /Batch)
- Q.16 Chain conveyor is used to _____ the materials. (Transport, Lift)
- Q.17 Agitator is used to keep slip in _____. (Suspension, Mix)
- Q.18 Jigger and Jolly is used for _____ machine. (Shaping /Mixing)
- Q.19 Vicat's apparatus is used to test _____. (Setting time, Soundness)
- Q.20 Initial setting time of cement can be determined by _____. (Vicat apparatus / Lechatlier apparatus)

SECTION-C

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

- Q.21 Describe working of hammer mill.
- Q.22 Write short note on blunger.
- Q.23 Explain magnetic separator.
- Q.24 Describe working of pug mill.
- Q.25 Describe working of tube mill.
- Q.26 List different type of conveyors and explain anyone.
- Q.27 Describe working of Injection moulding.