

Q.24 Describe the classification of kiln and discuss about the tunnel kiln.

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Q.25 Explain working principle and function of ball mill.

3rd Sem. / Ceramic Engineering
Subject : CERAMIC MACHINERY

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory
(6x1=6)

Q.1 Which of these is industrial screening equipment ?

- a) Vibrating sieve b) Oven
- c) Mixer d) None

Q.2 Which is a type of drying equipment ?

- a) Blunger b) Mixer
- c) Tunnel drier d) None

Q.3 Fine size reduction usually been termed as _____.

- a) Fine grinding b) Coarse grinding
- c) Medium grinding d) None

Q.4 Which of the following is a type of batch kiln ?

- a) Tunnel b) Roller
- c) Shuttle d) None

(60)

(4)

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(1)

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Q.5 Which is example of permanent installations for handling of solids?

- a) Belt conveyor
- b) Electric battery trucks
- c) Tractors
- d) Trailers

Q.6 MOR means

- a) Modulus of papture b) Modulus of capture
- c) Modulus of dapture d) Modulus of rapture

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

Q.7 Drying involves process of removal of _____ from product.(water/coal)

Q.8 Example of crushing equipment is _____.

Q.9 Chain conveyors utilize a powered continuous chain arrangement, carrying a series of single pendants.
(T/F)

Q.10 Shuttle kiln is a batch type of kiln. (true/false)

Q.11 A spray dryer is a drying machine used to process solution, suspension or material in a slurry state
(T/F)

Q.12 Tank furnace is used to make _____.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

Q.13 Explain crushing.

Q.14 Explain Gyratory crusher.

Q.15 Discuss pug mill.

Q.16 Differentiate between continuous and batch type kiln.

Q.17 Discuss potters wheel.

Q.18 Explain chamber dryer.

Q.19 Explain autoclave machine

Q.20 Discuss shuttle kiln.

Q.21 List the testing equipment.

Q.22 Explain vicat apparatus.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(2 \times 8 = 16)$

Q.23 Describe material handling equipment's in ceramic industries in detail.