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Roll No.

220433

**3rd Sem / Branch : Ceramic
Sub.: Ceramic Machinery**

Time : 3Hrs.

M.M. : 60

SECTION-A

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

- Q.1 Which of the following is used for primary crushing
a) Jaw crusher b) Ball mill
c) Conical mill d) Non of these
- Q.2 Filter press is used to remove _____ from slip.
a) Soil material b) Water
c) Iron particles d) All of the above
- Q.3 Which of the kiln is continuous type kiln
a) Tunnel Kiln b) Shuttle kiln
c) Downdraught Kiln d) Up-draught kiln
- Q.4 Which of the this is permanent installation for material conveying
a) Bucket elevator b) Chain conveyor
c) Belt conveyor d) All of these

- Q.5 Diaphragm pump is used to
- a) Lift raw material b) Lift slurry
 - c) Lift crushed powder d) Lift alumina powder
- Q.6 _____ is shaping equipment
- a) Press b) Jigger
 - c) Potter's wheel d) All of above

SECTION-B

Note: Objective type questions. All questions are compulsory. (6x1=6)

- Q.7 Sieving is done in _____ shaker. (Vibrating/Stationary)
- Q.8 Agitator is used to keep slip in _____ (Suspension/Settling)
- Q.9 _____ is used to determine moisture content. (Infrared moisture balance/Kiln)
- Q.10 Magnetic separator is used to remove _____ (Iron particles/Alumina)
- Q.11 Drying is done in _____ (Tunnel drier/Extruder)
- Q.12 Slurry is lifted by _____ pump. (Slurry/ Bucket elevator)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 List different type of crushing machines and explain any one.
- Q.14 Explain working of magnetic separation.
- Q.15 Describe working of pug mill.
- Q.16 Write objective of agitation.
- Q.17 Explain working of bucket elevator.
- Q.18 Describe working of tube mill.
- Q.19 Explain working of belt and screw conveyors.
- Q.20 Describe working of AutoClave machine.
- Q.21 Explain Le-chatlier apparatus.
- Q.22 List different type of driers and explain any one.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain in detail working of friction screw press machine with a neat diagram.
- Q.24 Explain in detail construction and working of filter press.
- Q.25 Explain in detail construction of tunnel kiln.