

- Q.23 Describe working of hammer mill.
- Q.24 Explain tape casting process.
- Q.25 Describe working of Injection molding.
- Q.26 Describe working of gyratory crusher.
- Q.27 Define potter wheel.
- Q.28 Write short note on screw press.
- Q.29 List different type of conveyor and explain any one.
- Q.30 Explain tunnel dryer.
- Q.31 Describe working of tube mill.
- Q.32 Describe working of autoclave machine.
- Q.33 Define grinding. Name two grinding machines.
- Q.34 Explain working of pug mill.
- Q.35 Write function and uses of vibratory sieve.

#### SECTION-D

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

- Q.36 Describe principal, construction and working of filter press with neat sketch.
- Q.37 Classify the dryers. Explain batch dryer.
- Q.38 Explain principal, construction and working of ball mill.

No. of Printed Pages : 4

180433/120433/030441

Roll No. ....

/433

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

Time : 3Hrs.

M.M. : 100

#### SECTION-A

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

- Q.1 Ball mill is used as-
- a) Primary crusher      b) Secondary crusher
- c) Middle crusher      d) None of these
- Q.2 Iron particles can be removed with the help of -
- a) Sieve shaker      b) Magnetic separator
- c) Vibrating sieve      d) None of these
- Q.3 Jaw crusher cannot crush -
- a) Hard materials      b) Sticky materials
- c) Heavy materials      d) None of these
- Q.4 Potter wheel is used as
- a) Separating machine      b) Shaping machine
- c) De-watering machine      d) None of these

(20)

(4) 180433/120433/030441

/433

(1) 180433/120433/030441

/433

Q.5 Tunnel kiln is used for -

- a) Drying                      b) Firing
- c) Shaping                    d) All of these

Q.6 Soundness of cement can be determined by -

- a) Vicat's apparatus
- b) Le-chatlier's apparatus
- c) M.O.R. machine
- d) None of these

Q.7 Centrifugal pump is used to -

- a) Lift powder                b) Lift slurry
- c) Lift lumps                 d) None of these

Q.8 \_\_\_\_\_ is used to classify raw materials as per their size.

- a) Magnetic separator    b) Sieve shaker
- c) Agitator                 d) None of these

Q.9 Dryer is used for

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

Q.10 The speed of blunger is approximately -

- a) 100 RPM                 b) 10 RPM
- c) 1000 RPM               d) None of these

(2) 180433/120433/030441  
/433

## SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Ball mill is crushing machine. (T/F)

Q.12 Diaphragm pump is used to lift slurry. (T/F)

Q.13 Filter press works on the principle of removing water from slurry. (T/F)

Q.14 Tunnel dryer is continuous dryer. (T/F)

Q.15 Final setting time of cement can be determined by Vicat's apparatus. (T/F)

Q.16 Tube mill is an grinding machine. (T/F)

Q.17 Toggle pressing machine is the example of shaping machine. (T/F)

Q.18 Pot mill is used for grinding purpose. (T/F)

Q.19 Semi & fully automatic jigger is shaping machine. (T/F)

Q.20 Chain conveyor is used to transport the materials. (T/F)

## SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Explain magnetic separator.

Q.22 Differentiate jigger & jolly machine.

(3) 180433/120433/030441  
/433