

### SECTION-D

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

- Q.23 Explain in details the raw material handling equipments.
- Q.24 Explain in details working of jigger and jolly machine.
- Q.25 List machines used for fine size reduction. Explain construction and working of ball mill.

No. of Printed Pages : 4

220433

Roll No. ....

**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 Crushing is carried out in

- |                |                 |
|----------------|-----------------|
| a) Ball mill   | b) Tube mill    |
| c) Jaw crusher | d) All of these |

Q.2 Screening means

- |           |                    |
|-----------|--------------------|
| a) Mixing | b) Firing          |
| c) Drying | d) Size separation |

Q.3 Blunger is used for \_\_\_\_\_ slip.

- |           |                 |
|-----------|-----------------|
| a) Mixing | b) Benification |
| c) Drying | d) Suspending   |

Q.4 Filter press is used to make \_\_\_\_\_ from slip

- a) Cake                                      b) Powder
- c) Liquid                                      d) All of above

Q.5 Iron Particles are removed from slip by

- a) Filter press                                      b) Blunger
- c) Agitator                                      d) Magnetic separator

Q.6 Final setting time of cement is tested by \_\_\_\_\_ apparatus.

- a) Vicat Apparatus                                      b) Le-Chatlier's
- c) Sieves                                      d) MOR

### SECTION-B

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

Q.7 Vibrating sieve is used for removal of \_\_\_\_\_ material. (Over size/Under size)

Q.8 Full form of MOR \_\_\_\_\_. (Modulus of rupture/Modulus of Rigidity)

Q.9 Jaw crusher is \_\_\_\_\_ size reduction equipment. (primary/Secondary)

Q.10 Hammer mill is used to break \_\_\_\_\_ material. (Soft/Hard)

Q.11 Belt conveyor is used to \_\_\_\_\_ the material. (Convey/Mix)

Q.12 Full form of HIP is \_\_\_\_\_. (Hot Iso Piece/Hot isostatic press)

### SECTION-C

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

Q.13 Describe working of jaw crusher.

Q.14 Define grinding and enlist grinding equipment.

Q.15 Explain magnetic separators.

Q.16 Explain tunnel drier.

Q.17 Describe working of Injection moulding machine.

Q.18 Enlist mixing equipment's and explain any one.

Q.19 Explain working of toggle press.

Q.20 Describe construction of tube mill.

Q.21 Explain shuttle kiln.

Q.22 Explain working of chamber drier.