

### SECTION-D

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

- Q.23 Explain pressing operation.
- Q.24 Explain body preparation department production controls of tile industry.
- Q.25 With the help of flow diagram explain process of making plaster of paris moulds.

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220445B

**4th Sem.**  
**Branch : Ceramic**  
**Sub. Ceramic Processing Technology**

Time : 3 Hrs.

M.M. : 60

### SECTION-A

**Note: Multiple type Questions. All Questions are compulsory. (6x1=6)**

- Q.1 In case of pressing the physical state of body is
- a) Fluid suspension                      b) Plastic mass
- c) Dry powder                              d) All of these
- Q.2 \_\_\_\_\_ process uses heaters to heat the mixed body during shaping.
- a) Slip casting                              b) Injection moulding
- c) Extrusion                                d) Jiggering
- Q.3 With increase in moulding pressure firing shrinkage of ware\_\_\_\_\_.
- a) Increases
- b) Decreases
- c) Remain same
- d) First increases then decreases

- Q.4 Ford cup is used to determine \_\_\_\_\_ of slip.  
 a) Viscosity                      b) Density  
 c) Specific gravity              d) All of these
- Q.5 In double acting press, pressing takes place from \_\_\_\_\_ sides.  
 a) Two                              b) One  
 c) All                                d) None of these
- Q.6 \_\_\_\_\_ is first stage during pressing of tile.  
 a) Compaction                  b) Ejection  
 c) Filling of die                  d) All at same time

#### SECTION-B

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

- Q.7 With increase in moulding pressure green density \_\_\_\_\_.  
 (Increases / Decreases)
- Q.8 Alpha plaster is prepared by calcinations in \_\_\_\_\_ atmosphere. (Damp/Dry)
- Q.9 The difference in weigh of tile before and after glazing applied weight of glaze. (True/False)
- Q.10 In double acting pressing pressure in applied from \_\_\_\_\_ sides. (Single side / Both side / All side)

- Q.11 Approximation moisture content in slip casting is \_\_\_\_\_.  
 (0-5%, 25-50%)
- Q.12 Iso static pressing gives \_\_\_\_\_ density variation.  
 (Least/Highest)

#### SECTION-C

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

- Q.13 Name stages of pressing.
- Q.14 Write the role of binder and lubricants.
- Q.15 How will you measured density of slip?
- Q.16 Tell the role of lubricants. Name two lubricants.
- Q.17 Name four production controls of tile industry?
- Q.18 Write steps of mixing plaster of paris and water?
- Q.19 How will you measure applied weight of glaze?
- Q.20 Explain slip casting process.
- Q.21 How accidents can be avoided in ceramic industry.
- Q.22 Name pollutants of gaseous emissions.