

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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**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) Jigging

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 is 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.