

Q.21 Write properties and uses of china clay.

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Q.22 Name different shaping methods.

**2nd Year. /Branch: Ceramic Engineering  
Subject : Ceramic Fabrication**

### **SECTION-D**

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

Q.23 Explain classification of clays.

Time : 3 Hrs.

M.M. : 60

Q.24 Explain slip casting process.

Q.25 With the help of flow chart explain manufacture of tiles.

### **SECTION-A**

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

Q.1 In case of slip casting physical state of body is

- a) Fluid suspension b) Plastic mass
- c) Dry powder d) All of these

Q.2 Clays helps in \_\_\_\_\_ of ware.

- a) Shaping b) Firing
- c) Cooling d) None of the above

Q.3 Which of the following clays have highest plasticity?

- a) Ball clay b) Alumina clay
- c) Bentonite d) China clay

Q.4 Which of the following shaping method is plastic shaping method?

(80)

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- a) Slip casting
- b) Jolleying and Jigging
- c) Pressing
- d) All of these

Q.5 Drying is the process of removal of \_\_\_\_\_ from shaped ware.

- a) Moisture                  b) Gas
- c) Bubble                  d) None of these

Q.6 Feldspar \_\_\_\_\_ maturing temperature of the bodies.

- a) Decreases                  b) Increases
- c) Does not change          d) Can not say

## SECTION-B

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

Q.7 Primary clays are found near original bed. (T/F)  
Q.8 \_\_\_\_\_ involves proper mixing the various raw materials in the right proportions and in the right degree of fitness (Batch Preparation/Pressing)

- Q.9 During pressing die fill stage is the first stage(T/F)
- Q.10 \_\_\_\_\_ in ceramic piece result due to different shrinkage at difference place in the body. (Warping/Cracking)
- Q.11 \_\_\_\_\_ process converts the weak, soft article into a strong, hard product. (Drying/Firing)
- Q.12 The main purpose of deflocculating agents is to keep the dry content of slip in suspension. (T/F)

## SECTION-C

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

- Q.13 Name any four types of clays.
- Q.14 Tell the role of binders in fabrication of ceramics.
- Q.15 Write advantages of dry mixing process.
- Q.16 Explain jolleying and jigging method of making.
- Q.17 Explain surface finishing methods.
- Q.18 Define drying. Write its importance.
- Q.19 Name four types of kilns.
- Q.20 Define firing. Explain biscuit and glost firing.