

Q.21 Write properties and uses of china clay.

Q.22 Name different shaping methods.

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Roll No.

220421

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.

Q.24 Explain slip casting process.

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

Time : 3 Hrs.

M.M. : 60

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)

(4)

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- a) Slip casting
- b) Jolleying and Jiggering
- 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)

(2)

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Q.9 During pressing die fill stage is the first stage (T/F)

Q.10 _____ in ceramic piece result due to different shrinkage at different 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 jiggering 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 glaze firing.

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