

- Q.24 Discuss jiggering & jollying process.
- Q.25 Describe process of filter press.
- Q.26 Explain injection moulding.
- Q.27 Explain role of deflocculent in casting process.
- Q.28 Explain process of drying.
- Q.29 List defect of drying.
- Q.30 Explain demagnetization.
- Q.31 Explain the term Crushing.
- Q.32 Differentiate between batch and tunnel dryer.
- Q.33 Explain slip casting process.
- Q.34 Explain isostatic process.
- Q.35 Write composition of bone china body.

#### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 List different type of shaping methods. Explain any one.
- Q.37 Explain construction and working of tunnel kiln.
- Q.38 Explain classification of raw materials.

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#### 4th Sem / Ceramic Subject:- Ceramic Whiteware Technology - I

Time : 3Hrs.

M.M. : 100

#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 The word "Ceramic" meant for
- a) Burnt material                      b) Soft material
- c) Hard material                      d) None of these
- Q.2 Major ingredients of traditional ceramic is \_\_\_\_\_
- a) Clay                                      b) Silica
- c) Feldspar                                  d) All of these
- Q.3 Which of the following non plastic raw material.
- a) Steatite                                  b) Ball clay
- c) China clay                              d) Clay
- Q.4 Without glaze body is \_\_\_\_\_
- a) Terracotta                              b) Bone china
- c) Earthenware                            d) Porcelain

Q.5 Name of shaping machine in white ware industries.

- a) Jigger & Jolly                      b) Oven
- c) Autoclave                              d) None of these

Q.6 Ball clay is highly -

- a) Plastic clay                              b) Non plastic clay
- c) Both (a) & (b)                              d) None of these

Q.7 Which raw material containing silica and alumina.

- a) Kyanite                                      b) Dolomite
- c) Talc    d) Steatite

Q.8 Name of the continuous dryer is -

- a) Tunnel dryer                              b) Shuttle dryer
- c) Batch dryer                                      d) None of these

Q.9 Classification of ceramic body is-

- a) Earthen ware                              b) Stone ware
- c) Porcelain ware                              d) All of these

Q.10 Name of electrolyte is-

- a) Sodium silicate                              b) Silica
- c) Steatite    d) All of these

## SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Red bricks is the example of terracotta . (T/F)

Q.12 The formula of clay is \_\_\_\_\_

Q.13 The formula of Kyanite is  $Al_2O_3 \cdot SiO_2$ . (T/F)

Q.14 Isostatic pressing pressure is applied from all side. (T/F)

Q.15 Talc mineral is very soft. (T/F)

Q.16 Chamber drier is example of dryer. (T/F)

Q.17 Silica is the example of deflocculant. (T/F)

Q.18 Plaster of paris is used in making of mould. (T/F)

Q.19 Tunnel kiln is a continuous kiln. (T/F)

Q.20 Drying rate depend on humidity. (T/F)

## SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Explain white ware.

Q.22 Write properties and uses of andalusite.

Q.23 List external factor of drying.