

- Q.27 Differentiate batch and tunnel dryers.
 - Q.28 Explain effect of heat on ceramic bodies.
 - Q.29 Explain tunnel kiln in brief.
 - Q.30 Differentiate blunging and agitation process.
 - Q.31 Explain the term crushing.
 - Q.32 Explain the term batting.
 - Q.33 Explain advantages of dry mixing.
 - Q.34 Explain role of clay in ceramic body.
 - Q.35 Explain slip.

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**4th Sem / Ceramic Engg
Subject:- Ceramic Whiteware Tech. I**

Time : 3 Hrs. M.M. : 100

SECTION-A

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

- Q.1 Whiteware product are generally in _____ colour.

a) Black b) White

c) Red d) Blue

Q.2 Ceramic products are treated _____ temperature.

a) High b) Low

c) Moderate d) None of these

Q.3 Which of the following body is without glaze?

a) Earthenware b) Terracotta

c) Porcelain d) Bonechina

Q.4 Which of the following clay is higher plasticity?

a) China clay b) Fired clay

c) Ball clay d) None of these

Q.5 Firing of ceramic whiteware product is

SECTION-D

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

- Q.36 Explain slip casting method of shaping white ware body.
 - Q.37 Explain classification of raw materials.
 - Q.38 Explain slip casting method of shaping white ware body.

- a) Kiln b) Micro oven
 c) Dry oven d) None of these
- Q.6 Percentage of calcium phosphate in bone ash
 a) 6-8% b) 20-30%
 c) 65-85% d) 40-45%
- Q.7 Which raw material containing silica & alumina body
 a) Talc b) Kyanite
 c) Steatite d) Dolomite
- Q.8 Pebbles are used as
 a) Drying media b) Grinding Media
 c) Crushing Media d) Sieving Media
- Q.9 Name of the continuous dryer is
 a) Shuttle Dryer b) Batch Dryer
 c) Oven Dryer d) Tunnel Dryer
- Q.10 Name of electrolyte is
 a) Kyanite b) Sodium silicate
 c) Silica d) none

SECTION-B

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

Q.11 The formula of gypsum is _____

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- Q.12 The spray drier is used to remove water from slip. (True/False)
- Q.13 Feldspar is used as flux. (True/False)
- Q.14 Drying is the process of removing _____. (magnetic particles moisture)
- Q.15 Terracotta body is glazed ware. (True/False)
- Q.16 In isostatic pressing pressure is applied from all sides. (True/False)
- Q.17 Tunnel dryer is an example of _____ dryer. (Batch /Continuous)
- Q.18 Crack is one type of defect formed during drying. (True/False)
- Q.19 The formula of alumina is _____.
- Q.20 Alumina an example of deflocculant. (True/False)

SECTION-C

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

- Q.21 Explain brief history of pottery.
- Q.22 List drying defects.
- Q.23 List external factors effecting drying.
- Q.24 Explain process of agitation.
- Q.25 Describe spray drying process.
- Q.26 Discuss jiggering process.

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