

- Q.30 Explain working of screw press.
 - Q.31 List factors's affecting drying.
 - Q.32 Explain the term jiggering and jolleying process.
 - Q.33 Explain tunnel dryer.
 - Q.34 Explain isostatic pressing.
 - Q.35 Explain effect of heat on ceramic bodies.

No. of Printed Pages : 4
Roll No.

180442/120442/030442

**4th Sem. Branch: Ceramic Engg.
Sub : Ceramic White ware Tech. I**

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

Section-D

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

- Q.36 Describe naturally occurring of raw materials.

Q.37 Explain construction and working of tunnel kiln with neat sketch.

Q.38 Explain slip casting method of shaping of white ware.

- Q.1 White ware is generally _____ in colour.

a) White b) Blue

c) Green d) All of these

Q.2 Water absorption of earthenware is -

a) 14-20% b) 30-40%

c) 40-50% d) 50-60%

Q.3 Non clay plastic raw materials is -

a) Clay b) Feldspar

c) Talc d) All of these

Q.4 Calcination temperature of bone is -

a) 100°C b) 300°C

c) 500°C d) 900°C

Q.5 Firing of ceramic white ware product in -

a) Kiln b) Dry oven

c) Hot plate d) None of these

- Q.6 Transulancy of porcelain body is -
 a) Moderate good b) Good
 c) Negligible d) None
- Q.7 Pebble is used as -
 a) Grinding media b) Crushing media
 c) Sieving media d) All of these
- Q.8 Percentage of water in casting process -
 a) 2-5% b) 20-30%
 c) 25-40% d) None of these
- Q.9 Example of non plastic raw materials is -
 a) Clay b) Feldspar
 c) Ball clay d) All of these
- Q.10 Example of Tunnel dryer is -
 a) Open dryer b) Chamber dryer
 c) Continuous dryer d) All of these
- Q.15 Sponging is one type of finishing process. T/F
- Q.16 Agitator is temporary storage of casting slip. T/F
- Q.17 Tunnel kiln is continuous kiln. (T/F)
- Q.18 The formula of sillimanite is $\text{Al}_2\text{O}_3 \cdot \text{SiO}_2$. (T/F)
- Q.19 Sodium silicate is example of deflocculent. (T/F)
- Q.20 Warpage is one type of defect formed during drying. (T/F)

Section-B

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

- Q.11 The chemical formula of quartz is Al_2O_3 . (T/F)
- Q.12 Ball Clay is plastic raw materials. T/F
- Q.13 Terracotta body is unglazed body. T/F
- Q.14 Formula of Plaster of paris is _____.

Section-C

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

- Q.21 Explain brief history of pottery.
- Q.22 Describe process of Magnetisation.
- Q.23 Differentiate between terracotta and stoneware.
- Q.24 Tell properties and uses of Andalusite.
- Q.25 Explain Sieving process.
- Q.26 Explain process of drying.
- Q.27 List of synthetic prepared raw material. Explain any one.
- Q.28 Explain the term Crushing.
- Q.29 Explain role of deflocculant in casting slip.