

- 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.

#### 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.

No. of Printed Pages : 4  
Roll No. ....

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#### **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)**

- 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

### Section-B

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

- Q.11 The chemical formula of quartz is  $\text{Al}_2\text{O}_3$ . (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 \_\_\_\_\_.

- 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-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.