

- Q.26 Explain process of drying.
- Q.27 List of synthetic prepared raw material. Explain any one.
- Q.28 Explain the term grinding.
- Q.29 Explain role of deflocculant in casting slip.
- Q.30 Explain working of screw press.
- Q.31 List factor affecting drying.
- Q.32 Explain the term batting.
- Q.33 Explain tunnel dryer.
- Q.34 Explain isostatic pressing.
- Q.35 Explain effect of heat on ceramic bodies.

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**4th Sem.**  
**Branch :Ceremic**  
**Sub.: Ceramic Whiteware Technology-I**

Time : 3 Hrs. M.M. : 100

### **SECTION-A**

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

- Q.1 Product is generally white in colour-
- a) Whiteware
  - b) Refractory ware
  - c) Glassware
  - d) All of these
- Q.2 Water absorbtion of earthenware is –
- a) 14-20%
  - b) 30-40%
  - c) 40-50%
  - d) 50-60%
- Q.3 Plastic raw materials is –
- a) Clay
  - b) Feldspar
  - c) Talc
  - d) Quartz
- Q.4 Calcined of bone at temperature-
- a)  $300^{\circ}\text{C}$
  - b)  $400^{\circ}\text{C}$
  - c)  $500^{\circ}\text{C}$
  - d)  $900^{\circ}\text{C}$

### **SECTION-D**

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

- Q.36 Describe naturally occurring of raw materials.
- Q.37 Explain construction and working of tunnel kiln.
- Q.38 Explain slip casting method of shaping of whiteware.

Q.5 Firing of ceramic whiteware product in –

- a) Kiln
- b) Dry oven
- c) Stove
- d) None of these

Q.6 Transulency 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 dry pressing-

- a) 2-5%
- b) 20-30%
- c) 25-40%
- d) None of these

Q.9 Example of non plastic materials-

- a) Clay
- b) Feldspar
- c) Ball clay
- d) All of these

Q.10 Example of batch dryer is –

- a) Tunnel 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  $\text{SiO}_2$ . (True/False)

Q.12 Ball clay is plastic raw materials. (True/False)

Q.13 Terracotta body is glazed ware. (True/False)

Q.14 Formula of gypsum is \_\_\_\_\_.

Q.15 Sponging is one type of finishing process. (True/False)

Q.16 Agitator is temporary storage of casting slip. (True/False)

Q.17 Shuttle kiln is continuous kiln. (True/False)

Q.18 The formula of kyanite is  $\text{Al}_2\text{O}_3 \cdot \text{SiO}_2$ . (True/False)

Q.19 Sodium silicate is example of deflocculent. (True/False)

Q.20 Crack is one type of defect formed during drying. (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 Describe process of sieving.

Q.23 Differentiate between terracotta and stoneware.

Q.24 Tell properties and uses of sillimanite.

Q.25 Explain filtration.