

- Q.31 Write basic raw material of bone china body and give its composition.
- Q.32 How crawling can be prevented.
- Q.33 Describe dental porcelain.
- Q.34 Explain safety precautions to be taken during of glazing.
- Q.35 Explain impact resistance.

#### Section-D

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

- Q.36 Explain determination of loss on ignition and thermal shock resistance.
- Q.37 Write causes and prevention of crawling and pinholes.
- Q.38 Explain about health and safety parameter in ceramic industry.

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### 5th Sem., Branch : Ceramic Subject : Ceramic White ware Technology - II

Time : 3 Hrs.

M.M. : 100

#### SECTION-A

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

- Q.1 Brick ware is the example of -  
a) Heavy clay ware      b) Hard clay ware  
c) Light clay ware      d) None of these
- Q.2 Sanitary body can be -  
a) Stone ware body      b) Snow ware body  
c) Terracotta body      d) None of these
- Q.3 Colour of bone chine body is -  
a) White      b) Red  
c) Grey      d) None of these
- Q.4 Blistering are \_\_\_\_\_ in glaze.  
a) Small bubbles      b) Stones  
c) Big bubbles      d) None of these
- Q.5 Vitrified tiles have -  
a) High water absorption  
b) Low water absorption  
c) Less strength  
d) None of these

- Q.6 High tension insulator's are used above-  
 a) 440 Volt                      b) 220 Volt  
 c) 110 Volt                      d) 100 Volt
- Q.7 Percentage of water absorption in wall tile is -  
 a) 3-6                              b) 20-30  
 c) 40-50                          d) None of these
- Q.8 Hotel wares are -  
 a) Opaque                        b) Transparent  
 c) Translucency                d) All of these
- Q.9 Crazeing can be checked by  
 a) Autoclave                      b) Vicat apparatus  
 c) Kiln                              d) All of these
- Q.10 Thermal shock resistance of a ware depend on -  
 a) Holding time                  b) Plasticity  
 c) Hard material                  d) None of these

#### Section-B

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

- Q.11 Crazeing is glaze defect. (True/False)
- Q.12 Stone ware body is opaque body. (True/False)
- Q.13 Bone china body is white in color. (True/False)
- Q.14 Wall tile is fully vitrified. (True/False)
- Q.15 Dunting defect is glaze defect. (True/False)

- Q.16 Sulphuring appears as dull patches on glaze. (True/False)
- Q.17 Low Tension insulator are used above 440 Volt. (True/False)
- Q.18 The major raw material in dental procelain body is \_\_\_\_\_ (Feldspar / Talc)
- Q.19 Salt glaze ware have high resistance to chemical attack. (True/False)
- Q.20 Methyl blue solutions is used in corrosion test. (True/False)

#### Section-C

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

- Q.21 Define earthen ware body.
- Q.22 Explain determination of plasticity.
- Q.23 Write importance of labeling of hazardous ceramic materials.
- Q.24 Describe the porosity.
- Q.25 Explain impact resistance.
- Q.26 Explain classification of brick ware.
- Q.27 Draw flow chart of wall tiles manufacturing process.
- Q.28 Explain the determination of apparent porosity.
- Q.29 Describe causes and prevention of pin holes.
- Q.30 Explain abrasion resistance.