

Q.20 Explain abrasion resistance .

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Roll No.

Q.21 How crawling can be prevented .

Q.22 Describe dental porcelain.

5th Sem./ Ceramic Engg.

Subject : Whiteware and glazes

Time : 3 Hrs.

M.M. : 60

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain determination of loss on ignition and water absorption.

Q.24 Define glaze and classification of glaze.

Q.25 Explain health and safety in ceramic industry.

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

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 Blistering are ____ in glaze.

- a) Small bubbles
- b) stones
- c) Big bubbles
- d) None of these

- Q.4 Vitrified tiles have -
- High Water absorption
 - Low water absorption
 - Less strength
 - none of these
- Q.5 Crazing can be checked by-
- Autoclave
 - Vicat appratus
 - Kiln
 - All of these
- Q.6 Thermal shock resistance of a ware depend on-
- Holding time
 - Plasticity
 - Hard material
 - None of these
- SECTION-B**
- Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)
- Q.7 Stone ware body is opaque body. (T/F)
- Q.8 Wall tile is fully vitrified. (T/F)
- Q.9 Denting defect is glaze defect. (T/F)
- Q.10 The major raw material in dental porcelain body is _____.(Feldspar/Talc)
- Q.11 Salt glazed ware have high resistance to chemical attack.. (T/F)
- Q.12 Methyl blue solutions is used in corrosion test. (T/F)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Define earthen ware body.
- Q.14 Explain determination of plasticity .
- Q.15 Write importance of labeling of hazardous ceramic materials .
- Q.16 Describe the term porosity .
- Q.17 Explain properties of common building bricks .
- Q.18 Draw flow chart of wall tiles manufacturing process.
- Q.19 Describe causes and prevention of pin holes.