

- Q.23 Tell the difference between lead and leadless glaze.
- Q.24 List differences between ball clay and china clay.
- Q.25 Write causes and remedies of pin holes.
- Q.26 Explain preparation of glaze.
- Q.27 List raw materials of silica.
- Q.28 Tell placing precautions of glazed ware in kiln.
- Q.29 Discuss importance of fritting.
- Q.30 Explain ground coat enamelling.
- Q.31 Explain different application methods of enamel and glazes.
- Q.32 Explain crazing and peeling. Write its causes.
- Q.33 Define fluxing action. Name three fluxing agents.
- Q.34 Explain on glaze decorations.
- Q.35 Explain causes and remedies of dunting.

Section-D

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

- Q.36 Enlist non clay plastic raw materials. Write their properties and uses.
- Q.37 Explain base metal preparation for enamels.
- Q.38 Explain frit making operation. How it is different from raw glaze?

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Time : 3 Hrs.

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SECTION-A

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

- Q.1 Example of raw glaze
- a) Porcelain Glaze b) Crystalline Glaze
- c) Both A & B d) None of the above
- Q.2 Why fritting is done to convert
- a) Soluble into insoluble form
- b) Toxic materials into non toxic
- c) Fine in to bulky form
- d) All of the above
- Q.3 The role of clay in glaze is
- a) Keeps the glaze in suspension
- b) Reduce melting point
- c) Increase TSR
- d) Decrease TSR

- Q.4 Fluxing agent are used in ceramic bodies to _____ maturing temperature
- a) Increases b) Decreases
c) Does not change d) All of the above
- Q.5 Lead glazes are rarely used because these are
- a) Poisonous b) Costly
c) Luster less d) High porosity
- Q.6 Which of the following is Ceramic coating?
- a) Rubber coating b) Glaze
c) Wall putty d) Lime water
- Q.7 Nepheline Syenite contain
- a) Soda Feldspar b) Potash feldspar
c) Both A & B d) None of the above
- Q.8 Which of the following clay has least plasticity
- a) Bentonite b) China clay
c) Ball clay d) Alumina Clay
- Q.9 Before enamelling the metal surface should be free from
- a) Dirt b) Grease
c) Both A & B d) All of the above
- Q.10 Peelings is the results of mismatch of _____ of body and glaze.
- a) TSR b) CTE
c) RI d) Colour

Section-B

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

- Q.11 Ball clay is example of _____ clay. (Primary, Secondary)
- Q.12 Fritting is done to convert soluble material in to insoluble form. (True/False)
- Q.13 Spraying method of glazing is used for sanitary wares. (True/False)
- Q.14 In crazing surface cracks are formed. (True/False)
- Q.15 Fluxing agent _____ maturing temperature of ceramic wares.
- Q.16 ZnO oxide is an opacifier. (True/False)
- Q.17 Ground coat enamel is applied on _____. (Ceramic ware, Metal)
- Q.18 _____ is raw material of silica. (Sandstone, limestone)
- Q.19 Bentonite is more plastic than china clay. (True/False)
- Q.20 _____ is type of enamel. (Transparent enamels, Lead enamel)

Section-C

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

- Q.21 Tell role of alumina in glaze.
- Q.22 Explain role of silica in glaze.