

- Q.26 List different types of clay. Explain any one.
- Q.27 Explain the role of opacifiers in glaze.
- Q.28 Explain on glaze decorations.
- Q.29 List five alkali materials used for making glaze.
- Q.30 Define the term drying. Name factors affecting drying rate.
- Q.31 Name defects of enamel. Explain any one.
- Q.32 List application methods of glaze. Explain any one.
- Q.33 Draw flow chart of frit making.
- Q.34 Explain dipping method of glaze application.
- Q.35 How will you select raw materials of glaze?

SECTION-D

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

- Q.36 Name and explain different decoration method of glaze.
- Q.37 Explain Base metal preparation for application of glaze.
- Q.38 Explain preparation of glaze with the help of flow diagram.

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4th Sem.

Branch :Ceramic

Sub.: Ceramic Coating Technology

Time : 3 Hrs.

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SECTION-A

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

- Q.1 Which of the following is raw glaze.
- a) Porcelain Glaze
 - b) Lead Borosilicate glaze
 - c) Both A & B
 - d) None of the above
- Q.2 Fritting is carried out to
- a) To convert insoluble into soluble form
 - b) Both A & B
 - c) To lower the maturing temperature of glaze
 - d) None of the above
- Q.3 Clay is used in glaze to
- a) Decrease TSR
 - b) Increase maturing temperature
 - c) Keep the glaze in suspension
 - d) Reduce melting point

- Q.4 Fluxing agent is used in glaze to reduce _____
- Viscosity of glaze
 - Maturing Temperature
 - Density of glaze
 - All of the above
- Q.5 Lead glazes are rarely used because these are
- Poisonous
 - Less popular
 - Luster less
 - Expensive
- Q.6 _____ glaze is also known as Vapour glaze.
- Lead
 - Crystalline
 - Glaze
 - Salt
- Q.7 _____ is form of silica.
- Kyanite
 - Sandstone
 - Talc
 - Sillimanite
- Q.8 Drying rate increase with _____.
- Increase in Temperature
 - Increase in Humidity
 - Flow of Air
 - Both A & B
- Q.9 Which of the following is NOT the defect of enamel?
- Under fired
 - Rolling
 - Black Core
 - All of the above
- Q.10 Which of the following is decoration method
- Pouring
 - Dipping
 - Stencilling
 - None of these

SECTION-B

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

- Q.11 Glaze and glass are _____ in physical properties. (Similar/Dissimilar)
- Q.12 Soda feldspar is used in glazes as _____.
- Q.13 Fritting is done to convert toxic material into non-toxic form (True/False)
- Q.14 Stenciling is one type of _____ method.
- Q.15 Spraying method of enamelling is used for small wares. (True/False)
- Q.16 _____ is non clay plastic raw material.
- Q.17 Under glaze is one type of decorations. (True/False)
- Q.18 Ball clay is more plastic than bentonite clay. (True/False)
- Q.19 Increase in surrounding humidity increases the drying rate. (True/False)
- Q.20 _____ is type of glaze defect.

SECTION-C

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

- Q.21 List difference between ball clay and china clay.
- Q.22 Write placing precautions of glazed ware before firing.
- Q.23 Explain vapour glaze.
- Q.24 Discuss importance of fritting.
- Q.25 Discuss similarities between glaze and glass.