Q.32 Define flux. Name three fluxing agents.

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. 3x10=30

Q.33 Explain application methods of enamel and glazes.

Q.34 Enlist different glaze defects. Explain causes and remedies of any two.

Q.35 Enlist non clay plastic raw materials. Write their properties and uses.

Q.36 Explain frit making process.

No. of Printed Pages : 4
Roll No. .....

120441

4th Sem. / Ceramic Engg.

Subject : Ceramics Coating Technology

Time : 3 Hrs. M.M. : 100

SECTION-A

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

Q.1 Glaze and glass are similar in physical properties. (True/False)

Q.2 Ball clay is _____ in nature.

Q.3 Fluxes _____ the maturing temperature.

Q.4 Tin oxide is an opacifier.. (True/False)

Q.5 Fritting is done to convert soluble material into insoluble form. (True/False)

Q.6 Crazing in glaze is found in glaze when coefficient of thermal expansion of body is more than that of glaze. (True/False)

Q.7 Stamping is one type of _____ method.

Q.8 Enamel can be applied by _____.

Q.9 Spraying method of enameling is used for large wares. (True/ False.

Q.10 Cobalt oxide gives _____ colour to glaze.

SECTION-B

Note: Very short answer type questions. Attempt any ten questions out of twelve questions. 10x2=20

Q.11 Define fritted glaze.

Q.12 Name two decoration methods.

Q.13 Define clay.

Q.14 Write one role of clay in glaze.

Q.15 Define frit.

Q.16 Name two glaze defects.

Q.17 Identify two dissimilarities between glaze and glass.

Q.18 Define dipping.

Q.19 Enlist two opacifiers.

Q.20 Define glaze.

Q.21 Name the feldspar used in glaze.

Q.22 Define drying.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. 8x5=40

Q.23 Discuss similarities between glaze and glass.

Q.24 Differentiate lead glaze and leadless glaze.

Q.25 Enlist application methods of glazes and enamels. Explain any one.

Q.26 Discuss role of silica and fluxes in glazes.

Q.27 Discuss placing precautions of glazed ware before firing.

Q.28 Differentiate ball clay and china clay.

Q.29 Enlist raw materials of silica.

Q.30 Explain role of feldspar in glaze.

Q.31 Discuss importance of fritting.