- Q.29 List five coloring oxide used in glaze and color imparted by them.
- Q.30 Name different type of fluxes.
- Q.31 Discuss in brief Kyanite.
- Q.32 List raw materials of glaze.
- Q.33 Differentiate between transparent and matt glaze.
- Q.34 Explain bone ash and its properties.
- Q.35 Explain fireclay.

SECTION-D

- **Note:**Long answer type questions. Attempt any two questions out of three questions. 2x10=20
- Q.36 Name different type of non plastic raw material. Explain any one with its properties and uses.
- Q.37 Explain frit making process.
- Q.38 Discuss in details opaque glaze and matt glaze.

3rd SEM / Ceramic Engg. Subject : Ceramic Raw material

Time: 3 Hrs. M.M.: 100

SECTION-A

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

- Q.1 Geology means
 - a) Study of earth
 - b) Study of air
 - c) Study of water
 - d) Study of atmosphere
- Q.2 Major ingredient of traditional ceramic
 - a) Silica

b) Feldspar

c) Clay

- d) All of these
- Q.3 Plastic raw materials is
 - a) Clay

b) Feldspar

c) Talc

- d) Quartz
- Q.4 Calcined of bone at temperature
 - a) 300°C

b) 400°C

c) 500°C

- d) 900°C
- Q.5 Andalusite is used in
 - a) Refractory
- b) Bone chine

	c)	Stone ware	d)	None of these		(T/F)	
Q.6	Glaze applied on ceramic ware-				Q.16 Feldspar is plastic raw material. (T/F)		
0.7	c)	() ()	d)	None of these	Q.17	The surface of glazeis luster less. (Transparent/Matt)	
Q.7	a)	e of glaze used in c Transparent glaze Color glaze	b)			The formula of kyanite is Al ₂ .O ₃ . SiO ₂ . (T/F) Flint is found in pebbles. (T/F)	
Q.8					Q.20 Enamel is coating on the surface of		
•	•			Spraying	Q. 20	(Metal/Ceramic body)	
	c)	Brushing	d)	All of these			
Q.9	Defect glaze in ceramic ware-					SECTION-C	
	a)	Dunting	b)	Crazing			
Q.10	c) Gla	Cracking ze is type of-	d)	All of these	Note	:Short answer type questions. Attempt any twelve questions out of fifteen questions. 12x5=60	
	a)	Paint	b)	Clay	0.04		
	c)	Glass	d)	None of these	Q.21	Define residual clay.	
					Q.22 Discuss feldspar with properties and uses.		
					Q.23 Discuss in brief silimanite.		
Note: Objective type questions. All questions are compulsory. 10x1=10					Q.24 Name five different is glaze raw materials.		
Q.11	Ste	atite mineral is very	glaze in ceramic ware- nting b) Crazing acking d) All of these stype of- int b) Clay ass d) None of these SECTION-B we type questions. All questions are sory. $10x1=10$ e mineral is very soft. (T/F) ay is plastic raw materials. (T/F) te is one type of decoration (T/F) a of boron oxide B_2O_3 . (T/F)			Discuss onglaze decoration.	
Q.12 Ball Clay is plastic raw materials. (T/F)				, ,	Q.26	Explain ground coat enameling.	
Q.13 On glaze is one type of decoration (T/F) Q.14 Formula of boron oxide B ₂ O ₃ . (T/F)					Q.27 Explain in brief glaze application method.		
Q.15 Bentonite clay is more plastic than ball clay				• ` '	Q.28 Discuss volcanic ash with properties and uses.		
(2) 180436/120436/030436						(3) 180436/120436/030436	