

- Q.5 Explain construction and working of tunnel kiln.
- Q.6 What are naturally occurring raw materials? Explain in detail.
- Q.7 Write a note on any two of the following.
- a) Defects in drying.
 - b) Firing of bone-china bodies.
 - c) Tunnel drier.
 - d) History of pottery.

No. of Printed Pages : 4
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120442

4th Sem. / Ceramic Tech.

Subject : Ceramic Whiteware Tech. - I

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- a) Define pottery?
 - b) What is Talc? Write its formula?
 - c) Name two synthetically prepared raw materials.
 - d) What are binders and lubricants used in Ceramic Industries?
 - e) What is Sieving?
 - f) Write formula of sillimanite?
 - g) What is drying?
 - h) What is deflocculants?
 - i) Define grinding?

- j) What is terracotta?
- k) What is throwing operations?
- l) Name two types of Kilns used in Ceramic Industries?
- m) Why firing of Ceramic Wares is done?
- n) What are agitators?
- o) Define slip casting?
- p) What is joining or sticking operations?
- q) Name two continuous driers.
- r) What is Zirconia?

- vi) Describe in brief hot floor driers?
- vii) What is the difference between batch and continuous driers?
- viii) Explain jiggering method of shaping.
- ix) Explain pugging operation?
- x) Write a note on plaster of paris?
- xi) Explain throwing method of shaping?
- xii) Write in brief scope & pottery?
- xiii) Explain sieving and screening process?
- xiv) What are earthenware and storeware?
- xv) Write properties and uses of sillimanite and kyanite?

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) Write factors affecting drying?
 - ii) Explain effect of heat on clay?
 - iii) What is the role of electrolytes in slip?
 - iv) Explain in brief synthetically prepared raw materials?
 - v) Explain various finishing operations.

(2)

120442

SECTION-C

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

- Q.3 What is slip casting? Explain slip casting process in detail.
- Q.4 What is filtration? Explain construction and working of filter press.

(3)

120442