

SECTION-C

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

Q.3 Explain construction and working of ball mills
Also explain how size of balls is important.

Q.4 What are different material handling equipments? Explain in detail?

Q.5 Classify the dryers? Explain tunnel dryers.

Q.6 Explain construction and working of filter press?

Q.7 Write note on any two

- i) Hammer mill
- ii) Injection moulding.
- iii) Dobbins
- iv) Wet pan mill.

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Roll No.

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3rd Sem. / Ceramic Tech

Subject : Ceramic Machineries

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1
- a) What is MOR?
 - b) Name two shaping machines?
 - c) What are batch dryers?
 - d) What is Vicat's apparatus?
 - e) What do you understand by isostatic pressing?
 - f) For what purpose Le-chatlier's apparatus is used?
 - g) Name two grinding machineries?

- h) What is extrusion?
- i) Define mixing?
- j) What is closed circuit grinding operation?
- k) What is IR moisture balance?
- l) Define blunging?
- m) For what purpose pot mill is used?
- n) Name two continuous dryers?
- o) What is toggle press?
- p) What is agitator?
- q) What is conical mill?
- r) What is HIP?

SECTION-B

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

- Q.2
- i) Explain construction of Jaw crusher?
 - ii) What factors you will take into account for selection of grinding machinery?

(2)

120433

- iii) Explain construction of pug mill.
- iv) Write short note on blunger.
- v) What are parameters of pressing? Explain in brief.
- vi) Explain tape casting.
- vii) Differentiate jigger and jolly.
- viii) Explain vicat apparatus?
- ix) What are factors that effect grinding efficiency?
- x) What are vaccum filter? Explain.
- xi) Explain autoclave machine?
- xii) Write a note on screw press?
- xiii) What are unheated dryers? Explain in brief.
- xiv) Explain different kinds of magnetic seperation equipments?
- xv) Write a note on wet pan mill.

(3)

120433