

SECTION-C

No. of Printed Pages : 4

Roll No.

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

- Q.3 Write notes on (a) Gyratory crushers
(b) Humidity dryers (c) Tiles press machine
- Q.4 With neat diagram explain the working principle of ballmill & explain the quantity of ball & its proportion of different size and size of ball.
- Q.5 With neat sketch explain the working principle of Tunnel drier.
- Q.6 Describe the Belt conveyor & Screw conveyor & which one more effective for long distance transportation.
- Q.7 Explain types of shaping machines.

4th Sem. / Ceramic

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 are the different types of crusher used?
b) What is pan grinding?
c) What is ball mill?
d) Which type of balls are used? What's its size.
e) What do you mean by blunger.
f) What is the importance of Air separator.
g) What do you mean by centrifugal dewatering.

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- h) What are different type of shaping machine.
- i) What is scalloping machine.
- j) What is the function of dryer.
- k) How many types of dryer are available in ceramic industry.
- l) How do you transport of solid in ceramic industry.
- m) What is slurry pumps.
- n) What is rod mill?
- o) What is filter press.
- p) What is heated drums
- q) What is screw conveyors
- r) Tiles press machine.

SECTION-B

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

- Q.2 i) Explain construction & working principle of jaw crusher.

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- ii) Describe pebble mill.
- iii) Explain the working of de-airing single & double plug mills.
- iv) Describe the operation of hydraulically sanitary pipe machine.
- v) What do you mean electromagnetic sieve.
- vi) Explain tempering machine.
- vii) Describe plug mill & plugging equipments.
- viii) Describe the handling of solid through pipe.
- ix) Explain working principle of Hot pressing.
- x) Discuss tile press machine.
- xi) Explain working of potter's stove.
- xii) Describe pan mitt in detail.
- xiii) Explain Humidity dryers.
- xiv) Explain centrifugal dewatering.
- xv) Write a note on crushers.

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