Total No. of Questions : 5

solal No. of Printed Pages : 3

## EI-184

B.E. (Illrd Sem.) (CGPA) Civil Engg. Exam.-2015

## **ENGINEERING MATERIALS & CONSTRUCTION**

Paper: CE-303

Time Allowed : Three Hours Maximum Marks : 60

Note: Attempt all questions.

Answer must be to the point and brief.

All questions carry equal marks.

Solve any two parts only from each question.

Q.(a) What is dressing of stone? Why and how it is done.

(b) Explain manufacturing of bricks with fly ash.

- (c) Write short note on pollution control devices in use in factory.
- (d) Give requirement of good brick earth and list out its important ingradients.

EI-184

P.T.O.

http://www.onlinebu.com

(2)

- Q.II (a) Discuss need for wood substitutes and give alternate materials that can be used in place of wood.
  - (b) What is dampness in building? Why and how it occurs? Discuss remedial methods for the same.
  - (c) Discuss common concrete admixtures. Give their uses.
  - What is bearing capacity of soil? How can it be improved.
- Q.III (a) What is double under ream pile? Give a neat sketch and discuss under what circumstances they are used?
  - (b) What type of foundation is provided for a heavy colour load in soil having low bearing capacity.
  - (c) Differentiate between pointing and plastering?
  - (d) What is underpinning? Where and why it is done.
- Q.IV Differentiate between-
  - (a) R.B.C. and R.C.C. work for roofing.
  - (b) English bond and flemish bond.
  - (c) Tile flooring and mosaic flooring.
  - (d) Waber proofing and damp proof causes.

El-184

Contd. .....

http://www.onlinebu.com