

22.5.14

Civil/III CBSEGS/BMC

QP Code : NP-18640

(3 Hours)

[Total Marks : 80

- N.B. :** (1) Question No.1 is compulsory.
 (2) Attempt any **three** out of remaining **five** questions.
 (3) Assume suitable data wherever necessary.
 (4) Illustrate answer with neat sketches.

1. Explain the following :—
 - (a) Concrete blocks 5
 - (b) Mortar 5
 - (c) Ventilation 5
 - (d) Under reamed pile foundation. 5
2. (a) Explain the various ferrous & non ferrous metals used in construction. 8
 (b) Briefly explain the manufacturing process of lime. 8
 (c) Write short note structural clay products. 4
3. (a) Explain various acoustical defects & their remedies. 8
 (b) Explain in detail Masonary finishes. 8
 (c) Write short note on sound insulation. 4
4. Write short notes on :—
 - (a) Stone quarrying 5
 - (b) Cement 5
 - (c) Wood Composites 5
 - (d) Combined footing. 5
5. (a) Enlist different construction materials & explain requirements of each materials. 7
 (b) Explain design consideration of formwork. 8
 (c) Draw cross sectional elevation of a king post fruss. 5
6. Write short notes on :—
 - (a) Glass 5
 - (b) Ceramic tiles 5
 - (c) Types of roof 5
 - (d) Damp proofing & water proofing. 5