

S.E. Civil III CBGS

BMC

18.5.16

QP Code : 30592

(3 Hours)

[Total Marks : 80

- N. B. 1. Question no. 1 **compulsory**.  
 2. Answer any three questions out of remaining  
 3. Assume any data if required and state then clearly  
 4. Attempt sub questions in order  
 5. Illustrate answer with neat sketches wherever required  
 6. Figure to right indicate full marks.

1. Compare following :- ( any four) 20  
 (i) Physical and chemical properties of material.  
 (ii) Non ferrous products in construction  
 (iii) Sketch queen post roof truss  
 (iv) Compare brick masonry and stone masonry  
 (v) Acid tests on stones
2. (a) Explain in detail Acoustic Defects 8  
 (b) Write short notes on:  
 1. Air conditioning systems 7  
 2. Plumbing 5
3. Write a short note on:-  
 (a) Masonary finishes 7  
 (b) Water Proofing and damp Proofing 7  
 (c) Types of pointings 6
4. (a) Explain preservation of timber in details. 10  
 (b) Compare load bearing and framed structure. 10
5. Write short on:-  
 (a) Glass 7  
 (b) Plaster of Paris and its products 6  
 (c) Requirements of ideal formwork 7
- 6.(a) Describe water absorption test and compressive strength test on bricks. 7  
 (b) (1) Sketch, elevation and section of uncoursed random rubble masonry showing through stone. 6  
 (2) Dry process of Manufacturing of cement 7