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Total Number of Pages: 01

B.TECH
PCCE4203

3rd Semester Regular / Back Examination 2015-16
BUILDING MATERIALS AND BUILDING CONSTRUCTION
BRANCH: CIVIL
Time: 3 Hours
Max Marks: 70
Q.CODE: T391

Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.

- Q1** Answer the following questions: **(2 x 10)**
- a) Class I bricks
 - b) Quick setting cement
 - c) Frog mark
 - d) Sedimentary rocks
 - e) Fat lime
 - f) Coping
 - g) Rubble masonry
 - h) Newel post
 - i) Dog legged stairs
 - j) Slump value
- Q2** a) What is an isolated spread footing? **(3)**
b) What are the different causes of failure of foundations? **(5)**
- Q3** a) Why bricks are wetted before use in masonry? **(3)**
b) Describe English bond with a sketch. **(5)**
- Q4** a) What is a two centred arch? **(3)**
b) Describe the steps to be followed in construction of a brick masonry arch. **(7)**
- Q5** a) Describe a test to determine the compressive strength of concrete. **(5)**
b) What are the precautions to be followed in under water concreting? **(5)**
- Q6** a) Describe one method for termite control in a building. **(5)**
b) Write the steps for tile flooring in a building. **(5)**
- Q7** a) What is weather coating? **(3)**
b) What are the steps followed in distempering a building? **(5)**
- Q8** Write short notes : **(5 x 2)**
- a) Paints and varnishes
 - b) Ply wood in interior works