ET-523(C)

B. TECH Civil (Construction Management)

Term-End Examination

June, 2013

ET-523(C) : REPAIR AND MAINTENANCE OF BUILDINGS

Time : 3 hours   *Maximum Marks : 70*

Note : *Answer **any five** questions. All questions carry **equal** marks. Give neat sketches in support of your answers wherever required.*

1. (a) What are NDT tests on concrete ? Give short   7
         details of the tests.

    (b) What are the causes for decay of timber ?   7
         Give suitable examples.

2. (a) Describe the manufacturing defects in steel   7
         indicating the effects of such defects in the
         use of steel.

    (b) What are the methods of evaluation of   7
         corrosion in concrete ? Give short details of
         each method.

3. (a) Explain with short details the methods of   7
         seasoning of timber.

    (b) What are the different corrosion control   7
         methods ? Explain in short how they work.

4. (a) What are the causes of blockage in IWC ? 7
Write the remedial measures.

(b) What are the construction defects in 7
concrete ? Explain their effects in the use of
concrete.

5. (a) How can you repair concrete flooring ? Give 7
the short details of the method.

(b) How can you arrest the cracks in Masonry 7
coals ? Explain with suitable sketch.

6. (a) How can you make the roof water proof ? 7
Give short details of the process.

(b) How can you repair the fire damaged 7
concrete ? Giving suitable examples.

7. Explain the following : 3½x4=14

(a) Honey Combed Concrete
(b) Mild Steel
(c) Cover meter
(d) ASCU

8. Write short notes on the following : 3½x4=14

(a) Sewer balls
(b) Sulphate attack
(c) PVC floor
(d) Seepage

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