

**B.Arch 6<sup>th</sup> semester(PartIII) Final Examination 2009**  
**BENGAL ENGINEERING & SCIENCE UNIVERSITY SHIBPUR-HOWRAH**

**Materials & Methods Of Construction-AR602**

**Time: 3Hrs.**

**Full Marks:70**

**Attempt question number 1 and any three from the rest.2 marks reserved for neatness.**

1. What are routine maintenance items of work and their frequency of operation in a multistory RCC frame work building?
2. What are the causes of decay of building? Write short notes on them indicating their remedial measures.
3. Write in short suggesting your action to rectify the defect:- (any four)
  - a)Repairing of Jack Arch Roof
  - b)Typical expansion joint in roof slab
  - c)Improvement of soft soil
  - d)causes of settlement of foundation.
  - e)Portion of wall has been affected by damp and consequent efflorescence.
4. Write short notes on.(any four)
  - i) Uses of Geo textiles in civil engineering
  - ii)Grillage foundation
  - iii)stitching of crack in wall
  - iv)Underpinning
  - v)Anti termite treatment of foundation
5. lintel over door is partly sagged and damaged. Suggest your action to rectify.
6. "Bad maintenance of vertical pipelines meant for sanitary,plumbing and roof drainage and also that of house surface drains are considerably responsible for inviting decay in buildings." Justify the statement with sketches wherever necessary.