

90.

JAYA GROUP OF INSTITUTIONS - THIRUNINRAVUR

8th SEM - B.E.

INTERNAL ASSESSMENT - II (Model Examination - II)

Sub. Title : **Repair and Rehabilitation of Structures**
Sub. Code : **CE 2071**
Duration : **180 Minutes**

Date : **10.03.2015.**
Branch : **Civil Engg.**
Max. Marks : **100.**

Answer all questions

Part A - (10 x 2 = 20)

1. What is self stressing cement?
2. Give the various monomers used in polymer concrete.
3. What is sulphur infiltrated concrete?
4. What is drying shrinkage?
5. What are the uses of sealants ?
6. What are the stages in dry mix process in shotcrete ?
7. Give a brief note on shoring and underpinning in demolition ?
8. What are the preliminary investigations before demolition of a structure?
9. What are the major factors in selecting a demolition procedure?
10. Write short notes on balling machine.

Part B - (5 x 16 = 80)

11. (a) Explain in detail about expansive cement. [16]
Or
(b) Briefly explain about polymer concrete and its types ? [16]
12. (a) Explain in detail fiber reinforced polymeric meshes ? [16]
Or
(b) Explain in detail ferro cement ? [16]
13. (a) Explain in detail Fibre Reinforced Concrete ? [16]
Or
(b) Briefly explain about vacuum concrete ? [16]
14. (a) Explain in detail about Gunite ? [16]
Or
(b) Explain about Rust Eliminators ? [16]
15. (a) Describe the preliminary procedures in demolition of a structure ? [16]
Or
(b) Describe in detail about the various demolition techniques ? [16]