

**Babu Banerjee Inst.-National Institute of Technology & Management, Lucknow**  
**B. Tech-3rd Year (5th Semester) 2018-19**  
**Department of Civil Engineering**

**Concrete Technology (RCC-402)**  
**Assignment-1 (2018-19)**

**NOTATION/ALL PARTS**

1. What are the raw materials used for production of cement?
2. What is clinker how is it produced?
3. How are aggregates classified?
4. What is soundness of cement how is it tested?
5. Describe the role played by gypsum in the hydration reaction of cement.
6. List the various types of cement indicating their use for different applications.
7. Describe the hydration reaction of important bogal's compounds indicating the product of hydration.
8. How does increasing the quantity of water influence the properties of fresh and hardened concrete.
9. Define fineness modulus give the practical range of fineness modulus value of coarse and fine aggregate.
10. What are the important chemical test conducted on cement to determine its quality?