

**ASSIGNMENT – 3 PLAIN AND REINFORCED CONCRETE
CONSTRUCTION & FORMWORK**

- Q.1** Enlist the various types of Cement used in construction industries and explain any two In detail.
- Q.2** Write a short note on Ordinary Portland Cement.
- Q.3** What is importance of water In concrete mix. Describe various properties and impurities of water. Explain water cement ratio.
- Q.4** Explain.
- 1) Water Cement Ratio
 - 2) Slump test
 - 3) Grade of Concrete
 - 4) Compaction Factor test
 - 5) Durability of concrete
 - 6) Curing of concrete
 - 7) Workability of concrete
- Q.5** What are the methods of proportioning concrete mixes? Describe each in brief.
- Q.6** Explain the methods of mixing, placing, compacting and curing of concrete.
- Q.7** Explain the different between plain cement concrete and reinforced cement concrete.
- Q.8** Differentiate between precast and cast in situ concrete.
- Q.9** Why formwork in necessary ? What are the requirement of good formwork? Which type of material used for preparing formwork.
- Q.10** Explain with neat sketches, the formwork for RCC column.
- Q.11** Explain briefly 1) Slip formwork 2) False work for bridges.
- Q.12** What are the different types of centering for big arches of bridges? Explain briefly each one of them.