

- Q-3 Attempt all questions**
- (a) Enumerate the various types of coffer dams and explain any two in detail. **(10)**
 - (b) Discuss the available techniques to prevent the leakage of cofferdam. **(04)**
- Q-4 Attempt all questions**
- (a) Explain in detail about the Ready Mix Concrete (RMC) with a neat sketch of a RMC plant. **(07)**
 - (b) Discuss the various types of transporting equipments at the time of concreting. **(07)**
- Q-5 Attempt all questions**
- (a) Explain the Role of Construction equipments in Engineering Projects. **(07)**
 - (b) Discuss how the records of equipments on worksite are done with a neat chart. **(07)**
- Q-6 Attempt all questions**
- (a) Explain the various classification of caisson in detail with neat sketches. **(06)**
 - (b) Write short notes on launching and sinking of caissons. **(04)**
 - (c) Discuss the construction of a typical formwork for domes with neat sketch. **(04)**
- Q-7 Attempt all questions**
- (a) Explain the various methods available for water proofing in buildings. **(06)**
 - (b) Describe the systems and the construction features of RCC frames. **(04)**
 - (c) Write short note on the purpose of conducting routine building maintenance **(04)**
- Q-8 Attempt all questions**
- (a) Enumerate in detail about the materials, equipment and preparation of grouting. **(06)**
 - (b) Discuss the various causes for pile failure. **(04)**
 - (c) Explain about the various classifications of piles. **(04)**

