**BECS5-III**

**Seventh Semester B. Tech Civil Engineering**

**Examination Aug/Sep-2015**

**Design of Industrial Structures & Bridges**

**Time:-3Hours Max. Marks: -75**

**SECTION-A**

**Answer any five questions: (5\*5)**

1. Enlist the components of Bridge Structures.
2. Write a short note on Welding.
3. Define the following:
4. Size
5. Design.
6. Briefly write about Fixing the Position of the Pier.
7. Mention the different types of Bearings.
8. What do you mean by Top Plug?
9. Write a short note on Sequence.

**SECTION-B**

**Answer any two questions: (10\*2)**

1. Give a detail account of Strength of Group Piles.
2. Elaborate the Setting Out Single Span Bridge.
3. Compare and contrast between the Driven Piles and Cast-In-Situ Piles.

**SECTION-C**

**Answer any two questions: (15\*2)**

1. Write a detail note on the construction of Bored Piles.
2. Elucidate the concept of Pneumatic Sinking.
3. Explain the Muck Lock in detail.