

Seat No.	
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**B.E. (Civil) (Part - II) (Semester - VIII) (Old)**

**Examination, May - 2017**

**ADVANCE CONSTRUCTION TECHNIQUES (Elective - III)**

**Sub. Code : 49193**

**Day and Date : Friday, 05 - 05 - 2017**

**Total Marks : 100**

**Time : 2.00 p.m. to 5.00 p.m.**

- Instructions :**
- 1) Solve any three questions from each section.
  - 2) Figures to the right indicate full marks.
  - 3) Make assumptions wherever necessary.

**SECTION - I**

- Q1) a) Define & Explain Composite Construction. [8]**  
b) State the importance of Plywood Formwork. [8]
- Q2) a) What is Land Reclamation. State the methods of Land Reclamation. [8]**  
b) Define Adhesive. Type of adhesives. [8]
- Q3) a) Define MDF. State their Advantages & Disadvantages. & use. [8]**  
b) Define Geosynthetics. State Benefits & barriers. [8]
- Q4) Short note (any three) [18]**
- a) Enlist the design loads for form work.
  - b) Explain Fibre reinforced concrete & application.
  - c) Drainage for land reclamation.
  - d) Thermosetting Adhesive.

**P.T.O.**

SECTION - II

- Q5) a) Explain with neat sketch the operation of Nuclear power station. [8]  
b) Importance of Strengthening of Foundations. [8]
- Q6) a) Explain the principle of Wind Mill. [8]  
b) What is Slip Formwork. [8]
- Q7) a) State the Mechanism of Revibration of concrete. [8]  
b) Explain the necessity of Bridge Rehabilitation. [8]
- Q8) Short note (any three) [18]  
a) What is Underpinning.  
b) Reinforced earth construction.  
c) Roller compacted Concrete.  
d) Diaphragm walls.

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