

Seat No.	
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**B.E. (Civil Engineering) (Part - IV) (Semester - VIII) Examination,
April - 2016**

**ADVANCE CONSTRUCTION TECHNIQUES (Elective - III)
Sub. Code : 49193**

Day and Date : Tuesday, 26 - 04 - 2016

Total Marks : 100

Time : 03.00 p.m. to 06.00 p.m.

- Instructions :
- 1) Attempt any THREE questions from each section.
 - 2) Figures to the right indicate full marks.
 - 3) Assume any suitable data if necessary & mention it clearly.

SECTION - I

- Q1)** a) Explain Epoxy Resines with application. [8]
b) Explain qualities of good Form Work. [8]
- Q2)** a) Explain importance of Drainage for Land Reclamation. [8]
b) State the applications of Composite materials. [8]
- Q3)** a) Explain Fibre reinforced concrete & their Advantages. [8]
b) Define Geosynthetics with advantages & disadvantages. [8]
- Q4)** Note - ANY THREE. [18]
a) MDF
b) Enlist the Design Loads for Form Work
c) Explain Adhesive. Use of Adhesive
d) Behaviour of Composite & Non composite structures

P.T.O.

SECTION - II

- Q5) a) State the advantages & disadvantages of Atomic power station. [8]
b) Explain with Neat sketch how Wind Mill works. [8]
- Q6) a) Explain with neat sketch methods of Bridge Rehabilitation. [8]
b) State the benefits of Revibration of concrete. [8].
- Q7) a) Enlist the benefits of Slip Formwork. [8]
b) Importance of Strengthening of Foundations. [8]
- Q8) Short Note Any Three [18]
a) Vacuum Dewatered Flooring (Tremix)
b) Steps for Strengthening of Isolated Footing with neat sketch.
c) What is Underpinning.
d) Operation of Thermal Power Station with sketch.

