

Total No. of Questions : 6]

SEAT No. :

P2

[Total No. of Pages : 2

**Oct.-16/T.E./Insem.-2**  
**T.E. (Civil) (Semester - I)**  
**INFRASTRUCTURE ENGINEERING**  
**(2012 Pattern)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

- 1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Assume Suitable data if necessary.*

- Q1)** a) Write short note on Infrastructure Engineering. [5]  
b) Explain the provision made for the infrastructure of housing with reference to 12<sup>th</sup> five year plan. [5]

OR

- Q2)** a) Explain with suitable example, the role of construction industry in economic development of nation. [5]  
b) Explain the provision made for the infrastructure of railways with reference to 12<sup>th</sup> five year plan. [5]

- Q3)** a) Define gauge. What are the merits of having uniform gauge throughout the country? [5]  
b) Enlist various types of rail joints. Explain one of them with neat sketch. [5]

OR

- Q4)** a) Write short note on evil effects of rail joints. [5]  
b) Compare the characteristics of wooden sleepers and concrete sleepers. [5]

**P.T.O.**

- Q5)** a) Write short note on methods of dredging. [5]  
b) Write short note on slip form pavers. [5]

OR

- Q6)** a) Write short note on Tower Cranes. [5]  
b) What is well point system of dewatering. Explain with suitable sketch.[5]



www.sppuonline.com