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Seat No.	
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Total No. of Pages : 2

**B.E. (Electrical) (Part - IV)(Semester - VIII) Examination,
April - 2016**

**ELECTRICAL INSTALLATION TESTING & MAINTENANCE
Sub. Code : 49430**

Day and Date : Friday, 22 - 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) Use of non-programmable calculator is permissible.
 - 3) Figures to the right indicate full marks.
 - 4) Assume necessary data, if required.

SECTION - I

- Q1)** a) Explain general safety measures and precautions of electrical work. [8]
b) Explain in detail about Rule no. 30, Rule no.36, Rule no.45 of IE Rules.[8]
- Q2)** a) Explain about the connecting of Jumpers, Tee off points and dead ends. [8]
b) Explain guarding with their types, necessity and advantages. [8]
- Q3)** a) Describe inspection, storage, transportation & cable handing equipment, cable laying depths? State advantages and disadvantages. [9]
b) Explain Measurement of insulation resistance between the conductors.[8]
- Q4)** Write a short notes on: [9]
a) Plinth Mounted substation (Outdoor Substation) & Pole mounted Substation with reference to bus bar CT/PT control and relay panel.
b) Explain in brief about different methods of erection of poles. [8]

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SECTION - II

- Q5)** a) Write a short notes on Testing of power transformer & Distribution transformer. [9]
b) Explain the Transformer Oil Test (BDV Test) [8]
- Q6)** a) Explain Isolating switches, HT/LT circuit breakers. [8]
b) Write a short note on main Equipments used in substation. [8]
- Q7)** a) Explain testing & installation of a domestic building. [8]
b) Explain steps to be taken before commissioning of power transformer. [8]
- Q8)** a) Explain Drying out process for electric Machine. [9]
b) Write a short note on installation of bus bars. [8]

