



**BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING**  
(Approved by AICTE, New Delhi & Affiliated to Guru Gobind Singh Indraprastha University, Delhi)  
(An ISO 9001:2015 Certified Institution)  
A-4, Paschim Vihar, Main Rohtak Road, New Delhi – 110 063

**Department of Electrical and Electronics Engineering**

Student Name.....	Enroll. No.....
Semester V	Date
Course Code EEC 309	Course Title PE
Quiz/Test No. 1	Marks Obtained.....
Max. Marks : 1	Evaluator's Sign.....

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**Quiz 1 Set A**

**Time: Five Minutes**

*Note: Write the answer separately in the space allotted for the purpose at the end of the sheet. Use the blank space for working out the solution.*

Q) A thyristor can be triggered if  $dv/dt = 210$  V/microsecond. If the capacitive current flowing through the junction is 7 mA, find the equivalent capacitance of the depletion layer.

**Solution:**

**Answer:**