

**PACE EDUCATIONAL TRUST**

# **PACE JUNIOR SCIENCE COLLEGE, THANE**

Dattatray Tower, Opp McDonalds Naik Wadi, Gokhale Road, Naupada, Thane (W)-400602

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## NOTICE

**STD. XI (2013-14)**

### **SYLLABUS FOR UNIT TEST EXAMINATION**

SUBJECT	TOPICS
<b>PHYSICS</b>	1. Measurements 2. Current electricity 3. Electrostatics
<b>CHEMISTRY</b>	1. Some basic principles and techniques Sub Topics: Tetravalency of carbon, alkane, alkene 2. Alkane 3. Alkene
<b>MATHEMATICS</b>	1. Differentiation 2. Limits 3. Matrices 4. Determinants (only ex 10.1) 5. Logarithm
<b>ENGLISH</b>	1. Grammar & poetic device 2. Note making/summary, scene extract
<b>COMPUTER SCIENCE - I</b>	1. Number system 2. Program analysis
<b>COMPUTER SCIENCE - II</b>	1. Logic gate - Basic logic gate - Universal logic gate - Half adder - Full adder - De – Morgan's theorem - Drawing of logical diagram with logical equation - Applications of EX-OR gate - 4-bit adder/Subtractor
<b>ELECTRICAL MAINTENANCE - I</b>	1. Electric circuit 2. Work, power and energy 3. Effects of electric current
<b>ELECTRICAL MAINTENANCE - II</b>	1. Alternating Current 2. D.C. & A.C.
<b>BOTANY</b>	1. Diversity in Living Organism 2. Plant Kingdom
<b>ZOOLOGY</b>	1. Animal Tissues 2. Study of Animal Types
<b>PSYCHOLOGY</b>	1. Introduction to Psychology 2. Methods of Psychological Inquiry
<b>IT</b>	1. Introduction to Information Technology 2. Office Suite