


# NEW JERSEY CERTIFIED LANDSCAPE IRRIGATION CONTRACTOR EXAMINATION

SPECIFICATIONS/ SUPPLEMENTAL MATERIALS	REFERENCES	EXAM CONTENT (approx. %)
<p>160 questions multiple choice equally weighted using design plan</p> <p>Time Allowed: 3 ½ hours</p>	<p style="text-align: center;"><b><u>PRIMARY REFERENCES</u></b></p> <p>The following references are available from the Irrigation Association of New Jersey at 973-850-3366 or from the Irrigation Association online at: <a href="http://www.irrigation.org/iaweb/Core/Orders/">http://www.irrigation.org/iaweb/Core/Orders/</a></p>	<p><b><u>Irrigation Design (18%-22%)</u></b></p> <p>A. Perform Site Analysis B. Educate Client C. Develop Detailed Design D. Identify Other Design Considerations</p>
<p><b>You are allowed to bring</b></p> <p style="text-align: center;">Calculator*</p> <p style="text-align: center;">#2 pencils</p> <p style="text-align: center;">Engineer's scale</p>	<p>Irrigation Association <u>Irrigation Contractor Workbook</u> December 2002 (revised August 2008)</p> <p>Irrigation Association <u>Principles of Irrigation</u>, 2<sup>nd</sup> Edition, Feb, 2010</p>	<p><b><u>Irrigation Installation (18%-22%)</u></b></p> <p>A. Implement Pre-Install Considerations B. Understand Plans and Specifications C. Identify Mobilization Needs D. Perform Lay Out E. Install Point of Connection F. Perform Trenching/Pipe Pulling G. Install Pipe and Fitting H. Install Wiring I. Install Various Sprinkler Heads and Assemblies J. Install Various Drip Components K. Install Valves L. Install Controller and Related Components</p>
<p style="text-align: center;"><b><u>PASSING SCORE</u></b></p> <p>Passing score for the New Jersey Landscape Irrigation Contractor Exam is a 70% overall score with a minimum of 50% in each exam content area.</p> <p>Individual forms of the exam contain different blends of questions for a variety of reasons, including maintaining security of the program.</p> <div style="text-align: center;">  </div> <p>Passage of the New Jersey Landscape Irrigation Contractor Examination may also qualify you to become an Irrigation Association Certified Irrigation Contractor (CIC). The Irrigation Association determines the passing score for the CIC exam based on the relative difficulty of each question. This process yields a pass-fail score that is dependent on the questions comprising the individual exam. Depending on the exam, the passing score typically ranges between 68%-75%. It is possible that your score will pass the New Jersey Landscape Irrigation Contractor Examination and fail the IA CIC Examination or visa-versa.</p>	<p><u>Turf Irrigation Manual</u>, 5th Edition R. Choate, Weathermatic - Telsco Required chapters - 1,2,3 &amp; 9 Recommended - 4,6,7,8,10,11,12 &amp; 15</p> <p><u>Materials and Installation of Delivery Pipes for Irrigation Systems</u>, Brian Boman. (Available at <a href="http://www.pdfbookdownload.com">www.pdfbookdownload.com</a>)</p> <p>The following may be downloaded for free from the Irrigation Association website at: <a href="http://www.irrigation.org/Certification/CIC/Prepare_for_Exam.aspx">http://www.irrigation.org/Certification/CIC/Prepare_for_Exam.aspx</a></p> <p><u>Designing, Operating, and Maintaining Piping Systems Using PVC Fittings</u>, Ron D. Bliesner, February 3, 1987</p> <p><i>National Electric Code (NEC)</i></p> <p><i>National Plumbing Code (NSPC) – Ch. 10</i></p> <p><i>Uniform Plumbing Code (IAPMO) - Ch. 10</i></p> <p><i>IA Best Management Practices</i></p> <p><i>Exam Equation Sheet</i></p> <p style="text-align: center;"><b><u>OTHER HELPFUL REFERENCES</u></b></p> <p>IA <u>Irrigation</u>, 5<sup>th</sup> Edition, 1983</p> <p><i>IA Glossary of Terms</i></p> <p style="text-align: center;"><b><u>REFERENCES FOR NEW JERSEY SPECIFIC QUESTIONS</u></b></p> <p>References for the New Jersey specific questions may be found on the Landscape Irrigation Contractor Examining Board website in the right hand column at:  <a href="http://www.nj.gov/dep/exams/lic.htm">http://www.nj.gov/dep/exams/lic.htm</a></p>	<p><b><u>Irrigation Scheduling and Water Management and Conservation (22%-25%)</u></b></p> <p>A. Understand the Soil-Plant-Water Relationship B. Conduct Irrigation Assessment/Audit C. Analyze Site Conditions for Water Conservation Potential D. Calculate a Watering Schedule</p> <p><b><u>Maintenance and Repair (18%-22%)</u></b></p> <p>A. Perform Maintenance B. Perform Routine Maintenance C. Perform Repair D. Educate Customers about Water Efficiency and Best Management Practices</p> <p><b><u>Federal Laws and Codes (8%-12%)</u></b></p> <p>A. Occupational Safety &amp; Health Administration (OSHA) B. US National Electric Code (2005 or 2008) C. US National Standard Plumbing Code (2006) D. US Labor Laws</p> <p><b><u>General Business Management (5%-7%)</u></b></p> <p>A. Understand Basic Accounting Practices B. Maintain Recordkeeping C. Understand Insurance Information and Policies D. Understand Elements of a Contract and/or Proposal E. Perform Bidding and Estimating F. Perform Job Costing</p> <p><b><u>New Jersey Specific Questions (6%-7%)</u></b></p> <p>A. NJ Landscape Irrigation Contractor Certification Act of 1991 and implementing regulations B. NJ Sales Tax C. NJ Contractors Registration Act D. The Electrical Contractors Licensing Act of 1962 E. Subsurface and Percolating Water Act F. Public Works Contractor Registration Act</p>

\*Programmable calculators may be used as long as they are silent, battery-operated and a non-printing model. Cell phones, pagers, personal digital assistants (PDAs) or other electronic devices are NOT approved for use on the IA exam. An equation sheet will be provided when you register for the exam. Equation sheets are also available at the IA web site ([www.irrigation.org](http://www.irrigation.org)). A copy of the same equation sheet will be provided in your examination packet.