



Republic of the Philippines  
Professional Regulation Commission  
Manila



**PROFESSIONAL REGULATORY BOARD OF MECHANICAL ENGINEERING**

Resolution No. 07

Series of 2024

**REVERTING TO THE ORIGINAL FIFTY (50) ITEMS PER SUBJECT OF THE  
CERTIFIED PLANT MECHANICS LICENSURE EXAMINATION**

**WHEREAS**, the *Vision* statement of the Professional Regulation Commission (PRC or Commission) is to serve as an instrument for the Filipino people in securing for the nation a reliable, trustworthy, and progressive system of determining the competence of professionals through credible and valid Licensure Examinations (LE);

**WHEREAS**, Section 9 (a) of Republic Act (R.A.) No. 8981, otherwise known as the "PRC Modernization Act of 2000" provides that the Professional Regulatory Boards (PRB) shall have the responsibility to regulate the practice of the professions in accordance with the provisions of their respective professional regulatory laws;

**WHEREAS**, R.A. No. 8495, or the "Philippine Mechanical Engineering Act of 1998", mandates the PRB of Mechanical Engineering (Board) to promulgate and adopt the rules and regulations necessary for carrying out the provisions of the said Act, as well as supervise the licensure and practice of mechanical engineers in the Philippines;

**WHEREAS**, Section 12 of the same Act states that all applicants for registration for the practice of mechanical engineering shall be required to undergo and pass a written technical examination. Registration for the mechanical engineering practice shall cover the following categories of practitioners: Professional Mechanical Engineers (PME), Mechanical Engineers (ME), and Certified Plant Mechanics (CPM);

**WHEREAS**, the Certified Plant Mechanics Licensure Examination (CPM LE) consists of three (3) subjects, namely: Elements of Power Plant Machinery, Elements of Industrial Plant Machinery, and Shop Machinery and Practice;

**WHEREAS**, there is a proposal to reduce the number of items per subject of the CPM LE based on the following justifications:

1. The original number of items per subject of the CPM LE was fifty (50). This was only increased to one hundred (100) items beginning the September 2012 CPM LE;
2. The CPM is a sub-professional level. The licensure examinations for other sub-professionals only have fifty (50) items per subject;
3. The stakeholders support the proposal to reduce the number of test items for the CPM LE based on the dialogues and meetings conducted by the Board.

**WHEREAS**, should the proposal be given due course, it is necessary to issue rules governing the topics, as well as, the item distribution in order to guide the examinees on the clear assessment of their competencies.

**NOW THEREFORE**, the Board **RESOLVES**, as it is hereby **RESOLVED**, to revert to the original fifty (50) test items per subject of the CPM LE beginning February 2024. The item distribution for the topics in each of the CPM LE subject shall be as follows:



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**CPM – ELEMENTS OF POWER PLANT MACHINERY**

**A. Operation and Maintenance of Steam Power Plant Machinery**

1. Elements of Steam Condensing Power Plant – 3 items
2. Steam Turbine – 10 items
3. Steam Boiler – 13 items
4. Steam Condenser, Feedwater & Circulating Water Systems – 6 items
5. Combustion Mechanism, Combustion Equipment and Firing Methods – 9 items
6. Draft Apparatus, Chimney and Fans – 2 items

**B. Operation and Maintenance of Diesel Electric Power Plant Machinery**

1. Elements of Diesel Electric Power Plant – 3 items
2. Fuel Injection System – 4 items

**CPM – SHOP MACHINERY AND PRACTICE**

**A. Shop Machinery**

1. Lathe Machine – 4 items
2. Milling Machine – 4 items
3. Shaper – 4 items
4. Welding Machine – 9 items

**B. Shop Practice**

1. Machining – 4 items
2. Milling – 4 items
3. Shaping – 4 items
4. Welding - 4 items

**C. Hand Tools**

1. Caliper - 1 item
2. Steel Rule – 1 item
3. Fuller – 1 item
4. Miscellaneous Hand Tools – 1 item

**D. Tool and Oil**

1. Fundamentals – 1 item
2. Basic Components and Operations – 2 items

**E. Mathematics**

1. Algebra – 1 item
2. Trigonometry – 1 item
3. Solid Mensuration – 1 item

**F. Engineering Materials**

1. Fundamentals or General Knowledge -1 item
2. Properties, Treatments and Testing – 2 items

**CPM – ELEMENTS OF INDUSTRIAL PLANT MACHINERY**

**A. Mechanical Equipment and System**

1. Airconditioning, Ventilation and Refrigeration - 10 items
2. Pumps, Fans, Blowers and Compressors – 8 items

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3. Lifts and Conveyances – 4 items
4. Water Supply, Fire Sprinkler System and Sewerage Treatment – 8 items

**B. Codes and Standards, Ethics and Technical Safety**

1. Understand the Mechanical Engineering Law – 1 item
2. Mechanical Codes and Standards – 6 items
3. Technical Safety – 3 items

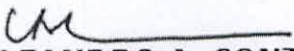
**C. Installation and Basic Electricity**

1. Machinery Installation – 3 items
2. Measurements -1 item
3. Lubrication – 2 items
4. Basic Electricity – 4 items

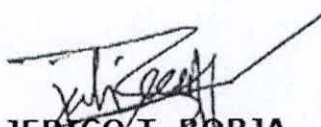
This Resolution shall take effect immediately.

Let a copy of this Resolution be posted on the PRC Website for information.

Done in the City of Manila this 23rd of February, 2024.

  
**LEANDRO A. CONTI**  
Chairman

  
**LORENZO P. LARION**  
Member

  
**JERICO T. BORJA**  
Member

**ATTESTED BY:**

  
**Atty. Lovelika T. Bautista**  
Chief, PRB Secretariat Division

**APPROVED:**

  
**CHARITO A. ZAMORA**  
Chairperson

  
**JOSE Y. CUETO, JR.**  
Commissioner

  
**ERWIN M. ENAD**  
Commissioner