



NOT FOR SALE

PROFESSIONAL REGULATORY BOARD OF ELECTRICAL ENGINEERING

**REVISED PROGRAM OF THE AUGUST 2024 REGISTERED ELECTRICAL ENGINEERS
LICENSURE EXAMINATION AND REGISTERED MASTER ELECTRICIANS LICENSURE
EXAMINATION TO BE HELD IN THE CITIES OF MANILA, BAGUIO, CEBU, AND DAVAO.**

I - REGISTERED ELECTRICAL ENGINEERS (REE)

DATE AND TIME	SUBJECTS	WEIGHT
<u>SATURDAY, AUGUST 24, 2024</u>		
7:00 A.M. - 7:45 A.M.	GENERAL INSTRUCTIONS AND FILLING OUT OF FORMS	
8:00 A.M. - 1:00 P.M.	MATHEMATICS such as: Algebra, Trigonometry, Analytic Geometry, Differential Calculus, Integral Calculus, Complex Numbers and Space Vectors, Probability and Statistics, Matrices and Determinants, Sequences and Series, Other Engineering Mathematics such as Differential Equations, Fourier Series, Laplace Transforms, and others.	25%
2:00 P.M. - 6:00 P.M.	ENGINEERING SCIENCES AND ALLIED SUBJECTS such as: General Chemistry, College Physics, Engineering Materials, Engineering Mechanics, Thermodynamics, Fluid Mechanics, Engineering Economics and Management, Electrical Engineering Law and Code of Ethics, Contracts and Specifications, Computer Fundamentals and Programming, Philippine Electrical Code, Parts 1 and 2 and others.	30%
<u>SUNDAY, AUGUST 25, 2024</u>		
8:00 A.M. - 2:00 P.M.	ELECTRICAL ENGINEERING PROFESSIONAL SUBJECTS such as: Quantities/units/constants, Electrical Materials, Passive Circuit Elements, Active Circuits Elements, AC Impedance, Instruments and Measurements, DC Electric Circuits, Transient Response, Magnetic Circuits, AC Electric Circuits, AC Generators, DC Generators, Energy Sources, Energy Conversion, Prime Movers, Rotating Electric Machinery, Power System Components, AC Transmission, DC Transmission, Power System Interconnection, Substation Design, Power Distribution, Wiring Design for Buildings, Power Electronics, Industrial Electronics, Illumination, Telecommunications, Computer Application in Electrical Power Industry and others.	45%

II - REGISTERED MASTER ELECTRICIANS (RME)

MONDAY, AUGUST 26, 2024

- 7:00 A.M. - 7:45 A.M. **GENERAL INSTRUCTIONS AND FILLING OUT OF FORMS**
- 8:00 A.M. - 12:00 Noon **TECHNICAL SUBJECTS** **50%**
such as: Basic Electricity, RA 7920, Tools, Test Equipment, Electrical Measurements, Lighting, Wirings and Materials, Fuses, Breakers, Switches, Motors, Starters, Generators, Transformers, Operation, Working Principles, Maintenance, Transmission and Distribution Lines, Substation, Ohm's Law and others.
- 1:00 P.M. - 5:00 P.M. **PHILIPPINE ELECTRICAL CODE, PARTS 1 and 2** **50%**
including: General Installation Requirements, Wiring Methods and Materials, Wiring Devices, Tools and Techniques, Wiring Ampacity and Protection, Equipment for General Use, Special Occupancies, Special Equipment, Special Conditions, Lighting and Wiring, Motor and Generator Wiring Connections, Communications and Signaling Wiring, Electrical Safety and others.

GENERAL INSTRUCTIONS:

1. Check or verify your school/building assignments at the PRC official website (www.prc.gov.ph) or through the Notices/Announcements to be posted at the PRC premises two (2) to three (3) working days before the date of examination.
2. Report to the school/building assignment before 5:30 a.m. on the first day of the examination to verify your room and seat number. Be punctual. Late examinees will not be admitted.
3. Examinees are required to wear the following attire every examination day:
 1. Male Examinees - White polo shirt with collar (without any seal, logo or mark)
Decent pants or slacks
 2. Female Examinees - White blouse or shirt with collar (without any seal, logo or mark)
Decent skirt or slacks
4. Bring the following on examination day:
 - a. Notice of Admission
 - b. Official Receipt
 - c. One (1) piece metered-stamped window mailing envelope
 - d. Two (2) or more pencils (No. 2)
 - e. Ballpens with **BLACK** ink only
 - f. One (1) piece long brown envelope
 - g. One (1) piece long transparent/plastic envelope (for keeping your valuables and other allowed items)
 - h. **NON-PROGRAMMABLE CALCULATORS** (Please refer to Commission Resolution No. 1809-2024 or the "Updated list of Non-Programmable Calculators Allowed to be used in the Licensures Examinations")

NOTE: ONLY ONE BASIC CALCULATOR SHALL BE ALLOWED INSIDE THE EXAMINATION ROOM. CALCULATORS SHALL BE INSPECTED AND HAVE TO BE RESET BEFORE THE START OF THE EXAMINATION.

5. The following are **STRICTLY PROHIBITED** inside the examination premises/rooms:
- a. Books, notes, review materials, and other materials containing coded data/ information/ formula.
 - b. **PROGRAMMABLE CALCULATORS** or calculators with embedded functions especially **CASIO FX991ES** and **CASIO FX-991ES plus**
 - c. **APPLE, SAMSUNG AND OTHER SMART WATCHES, CELLULAR PHONES, EAR PLUGS, TRANSMITTERS, PORTABLE COMPUTERS, BLUETOOTH AND OTHER ELECTRONIC GADGETS/DEVICES WHICH MAY BE USED TO RETRIEVE DATA/INFORMATION AND/OR TO COMMUNICATE FOR WHATEVER PURPOSES**
 - d. Bags of any kind (ladies bags, shoulder bags, attaché case, backpacks, etc.)
 - e. Other examination aids not stated in this program.

All personal belongings of the examinees shall be surrendered to the proctor and shall be placed in a secured space within the examination room.

The rules on the conduct of bodily search, inspection of personal belongings of the examinees, and the seizure/confiscation of prohibited items during the licensure exam (Annex A of PRC Memorandum Order No. 57, s. 2020) shall be strictly observed.

6. Examinees and examination personnel are encouraged to observe the minimum health standards per DOH Circular No. 0324 (s. 2023) throughout the conduct of the examination.
7. Read carefully and follow the instructions on your **NOTICE OF ADMISSION** and **EXAMINEES GUIDE**.

NOTE: PERSONAL BELONGINGS BROUGHT BY AN EXAMINEE SHALL BE FOR HIS/HER OWN ACCOUNT. THE PRC WILL NOT BE ANSWERABLE FOR ANY SUCH ITEM OR PERSONAL BELONGING THAT MIGHT BE LOST DURING THE EXAM WITHOUT FAULT OR NEGLIGENCE ON ITS PART.

This supersedes Examination Program dated April 17, 2024

Manila, Philippines
July 17, 2024

APPROVED:



FRANCIS V. MAPILE
Chairman

CERTIFIED CORRECT:



ATTY. LOVELIKA T. BAUTISTA
Chief, PRB Secretariat Division

PRB-OEE/D-SPRB
FVM/LTB/MADC/dete

