



PROFESSIONAL REGULATORY BOARD OF ELECTRICAL ENGINEERING

**PROGRAM OF THE SEPTEMBER 2020 REGISTERED ELECTRICAL ENGINEERS
LICENSURE EXAMINATION AND REGISTERED MASTER ELECTRICIANS LICENSURE
EXAMINATION TO BE HELD IN THE CITIES OF MANILA, BAGUIO, CAGAYAN DE ORO,
CEBU, DAVAO, ILOILO, LEGASPI, TACLOBAN, ZAMBOANGA AND LUCENA.**

I - REGISTERED ELECTRICAL ENGINEER (REE)

DATE AND TIME	SUBJECTS	WEIGHT
<u>FRIDAY, SEPTEMBER 4, 2020</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>SATURDAY, SEPTEMBER 5, 2020</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 ELECTRICIAN (RME)

SUNDAY, SEPTEMBER 6, 2020

7:00 A.M. - 7:45 A.M.	GENERAL INSTRUCTIONS AND FILLING OUT OF FORMS	
8:00 A.M. - 12:00 Noon	TECHNICAL SUBJECTS 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.	50%
1:00 P.M. - 5:00 P.M.	PHILIPPINE ELECTRICAL CODE, PARTS 1 and 2 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.	50%

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 6:30 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)

5. The following are **PROHIBITED** inside the examination premises/rooms.
- a. Books, notes, review materials, and other printed materials containing coded data/information/formula.
 - b. **CELLULAR PHONES, SMART WATCH, EAR PLUGS, TRANSMITTERS, PORTABLE COMPUTERS, BLUETOOTH AND OTHERS ELECTROCNIC GADGETS/DEVICES** which may be used for communication purposes.
 - c. Bags of any kind (ladies bag, shoulder bags, attaché case, backpacks, etc.)
 - d. Other examination aides not stated on this program.
6. Read carefully and follow the instructions on your **NOTICE OF ADMISSION** and **EXAMINEES' GUIDE**

Manila, Philippines
February 4, 2020

APPROVED:



FRANCIS V. MAPILE
Chairman

CERTIFIED CORRECT:



ATTY. OMAIDAH E. GANDAMRA
OIC, PRB Secretariat Division

D-SRB/PRB-BEE
OEG/FVM/dette