



Republic of the Philippines
Professional Regulation Commission
Manila

NOT FOR SALE

PROFESSIONAL REGULATORY BOARD OF ELECTRICAL ENGINEERING

**PROGRAM OF THE SEPTEMBER 2016 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 AND LUCENA.**

I - REGISTERED ELECTRICAL ENGINEER (REE)

DATE AND TIME	S U B J E C T S	WEIGHT
<u>FRIDAY, SEPTEMBER 2, 2016</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 & 2 and others.	30%
<u>SATURDAY, SEPTEMBER 3, 2016</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%

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. **PROGRAMMABLE CALCULATORS.**
 - c. **CELLULAR PHONES**, portable computers or similar gadgets/devices.
 - d. Bags of any kind (ladies bag, shoulder bags, attaché case, backpacks, etc.)
 - e. Other examination aides not stated on this program.

NOTE: PRC WILL NOT BE ANSWERABLE FOR PROHIBITED ITEMS THAT WILL BE LOST.

6. Read carefully and follow the instructions on your **Notice of Admission** and **Examinees Guide**.


Manila, Philippines
July 4, 2016

APPROVED:



FRANCIS V. MAPILE
Chairman

CERTIFIED CORRECT:



LOVELIKA T. BAUTISTA
Officer-In-Charge
Secretary to the Professional Regulatory Boards

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LTB/FVM/SVO/dette

II - REGISTERED MASTER ELECTRICIAN (RME)

SUNDAY, SEPTEMBER 4, 2016

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 & 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 thru 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. Examination fee of absent examinees will be forfeited.
3. Examinees are required to wear the following attire every examination day:
 1. Male Examinees - Plain white polo shirt with collar (without any seal, logo or mark)
Decent slacks
 2. Female Examinees - Plain 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)