



Republic of the Philippines  
Professional Regulation Commission  
Manila

NOT FOR SALE

BOARD OF ELECTRICAL ENGINEERING

PROGRAM OF THE REGISTERED ELECTRICAL ENGINEER AND REGISTERED  
MASTER ELECTRICIAN LICENSURE EXAMINATIONS IN MANILA, BAGUIO,  
CAGAYAN DE ORO, CEBU, DAVAO, ILOILO, AND LEGAZPI CITIES ON  
APRIL 22, 23 AND 24, 2012

DATE AND TIME	S U B J E C T S	WEIGHT
<u>I - REGISTERED ELECTRICAL ENGINEER (REE)</u>		
<u>SUNDAY, APRIL 22, 2012</u>		
7:00 A.M. - 7:45 A.M.	GENERAL INSTRUCTIONS AND FILLING UP 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>MONDAY, APRIL 23, 2012</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)

TUESDAY, APRIL 24, 2012

7:00 A.M. - 7:45 A.M.	GENERAL INSTRUCTIONS AND FILLING-UP OF FORMS	
8:00 A.M. - 12:00 Noon	<b>TECHNICAL SUBJECTS</b> 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.	<b>PHILIPPINE ELECTRICAL CODE, PARTS 1 &amp; 2</b> 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%

### NOTES FOR REE AND RME:

1. The passing general average is 70% provided there is no grade below 50% in any subjects.
2. An examinee who obtains a General Average Rating of 70% or above, but has a grade below 50% will be **CONDITIONED**, but will be allowed to re-take the next exam on the same subject. If he then obtains a grade on that subject of 70% or better he shall have passed the licensure examination. However, if he obtains a grade of less than 70%, he will be **CONDITIONED** again and will have to retake the examination on the same subject until he shall have obtained a grade of 70% or better.
3. An examinee who obtains a general average grade of less than 70% is considered **FAILED**. He will have to retake all the subjects again even though he obtained a passing grade in the other subject/s.

## III - PROFESSIONAL ELECTRICAL ENGINEER (PEE)

Applications for the grade of Professional Electrical Engineer may be submitted by qualified Registered Electrical Engineers anytime during office hours. Please refer to the "Implementing Rules and Regulations (IRR)" of R.A. No. 7920 for details.

### GENERAL INSTRUCTIONS:

1. Your school/building assignment will be posted outside the PRC premises two to three working days before the examination. Bring your **NOTICE OF ADMISSION** when you verify your school/building assignment. Visit your school/building assignment prior to the day of the examination.

2. Report to the school/building assignment before 6:30 AM 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 - White polo shirts or T-shirts with collar, tucked-in
  2. Female Examinees - White blouses or T-shirts with collar
4. Bring the following on examination day:
  - a. Notice of Admission
  - b. Official Receipt
  - c. One piece metered-stamped window mailing envelope
  - d. Two or more pencils (No. 2)
  - e. Ballpens with **BLACK** ink only
  - f. one piece long brown envelope
  - g. one piece long transparent/plastic envelope (for keeping your valuables and other allowed items)
  - h. Non-programmable Calculator (refer to list on the Examinees Guide).
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**, beepers, portable computers or similar gadgets/devices.
  - d. Bags of any kind (ladies bag, shoulder bags, attache case, backpacks, etc.)
  - e. Other examination aides not stated on this program shall not be brought inside the examination building.

**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, January 18, 2012

APPROVED:

  
**FORTUNATO C. LEYNES**  
Chairman

CERTIFIED CORRECT:

  
**CARLOS G. ALMELOR**  
Secretary, Professional Regulatory Boards