



NOT FOR SALE

**PROFESSIONAL REGULATORY BOARD OF ELECTRICAL ENGINEERING**

**PROGRAM OF THE APRIL 2022 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, KORONADAL, LEGASPI, TACLOBAN, ROSALES, TUGUEGARAO, PAGADIAN, PAMPANGA, ZAMBOANGA AND LUCENA.**

**I - REGISTERED ELECTRICAL ENGINEER (REE)**

DATE AND TIME	S U B J E C T S	WEIGHT
<b><u>TUESDAY, APRIL 26, 2022</u></b>		
7:00 A.M. - 7:45 A.M.	GENERAL INSTRUCTIONS AND FILLING OUT OF FORMS	
8:00 A.M. - 1:00 P.M.	<b>MATHEMATICS</b> 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.	<b>ENGINEERING SCIENCES AND ALLIED SUBJECTS</b> 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%
<b><u>WEDNESDAY, APRIL 27, 2022</u></b>		
8:00 A.M. - 2:00 P.M.	<b>ELECTRICAL ENGINEERING PROFESSIONAL SUBJECTS</b> 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)

THURSDAY, APRIL 28, 2022

7:00 A.M. - 7:45 A.M.	GENERAL INSTRUCTIONS AND FILLING OUT 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 and 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%

### GENERAL INSTRUCTIONS:

1. Check or verify your school/building assignments at the PRC official website ([www.prc.gov.ph](http://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. Health Forms
  - i. Negative RT-PCR Test Results, if applicable, or Certificate of Quarantine or Certificate or copy of the Complete Vaccination Card for fully vaccinated examinees to the proctor on the examination day.

5. The following items are strictly **PROHIBITED** inside the examination premises/rooms.

- a. Books, notes, review materials, and other printed materials containing coded data/information/formula.
- b. **Calculators which are programmable or 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 FOR COMMUNICATION PURPOSES**
- d. Bags of any kind (ladies bag, shoulder bags, attaché case, backpacks, etc.)
- e. Other examination aids not stated on this program.

6. Per Joint Administrative Order No. 01 (s 2021)<sup>1</sup>, the following Health Standards for Examinees and PRC Examination personnel shall be observed.

6.1. All examinees and examination personnel shall enforce the following precautionary measures among themselves:

- 6.1.1. Observe physical distancing of at least two (2) meters between examinees. Examinees shall be restricted to their assigned seat;
- 6.1.2. Wear face mask (at least 3-ply surgical mask, preferably N95 mask) and face shield<sup>2</sup> at all times;
- 6.1.3. Bring 70% ethyl alcohol for hand disinfection;
- 6.1.4. Wear latex gloves for exam personnel handling the test questionnaires;
- 6.1.5. Avoid close contacts like “beso-beso”, hugging, handshake, and directly touching other persons;
- 6.1.6. Avoid touching one’s eyes, nose, and mouth;
- 6.1.7. When sneezing and/or coughing, facial tissues must be used to wipe the nose and mouth areas. Dispose of used facial tissues properly; and
- 6.1.8. Avoid spitting in public, on floors, and in corridors.

6.2. Examinee shall submit the duly accomplished Informed Consent (Annex “A”) and Health Declaration (Annex “B”) forms with the Notice of Admission (NOA) and the negative RT-PCR test result/Quarantine Certificate or copy of the Complete Vaccination Card to the proctor on the examination day.

Informed Consent and Health Declaration Forms can be downloaded from the PRC official website ([www.prc.gov.ph](http://www.prc.gov.ph));

6.3. Examinees and examination personnel shall bring their own meals (pre-packed meal/snack and drink) to be eaten during breaks, on their assigned seats. Face masks and face shields will only be removed when taking meals or drinks.

6.4. Windows will be opened to improve ventilation during breaks.

6.5. Examinees shall bring their own pens, pencils, and erasers. Borrowing from a seatmate is strictly not allowed.

6.6. Talking and loitering are prohibited in the hallways or in the examination room.

6.7. Physical distancing shall be strictly observed in the queuing of the examinees entering the testing venues;

6.8. All examinees and examination personnel shall undergo temperature scanning:

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<sup>1</sup> PRC, DOH, and PNP JAO, entitled “Revised Standard Guidelines on the Strict Observance of Health Protocols in the Conduct of Licensure Examinations during Public Health Emergency and/or Pandemic”

<sup>2</sup> Because the exam room is an enclosed area for eight (8) hours, it is highly advisable for the examinees to wear their face shields at all times.

- 6.8.1. Only examinees with a temperature of less than or equal to 37.5 degrees Celsius shall be allowed to enter the testing venue;
- 6.8.2. Examinee with a temperature of more than 37.5 degrees Celsius (37.5°C) shall be referred to the Building Supervisor, who shall refer the concerned examinee to onsite medical doctor/personnel for assessment. The examinee will not be allowed to take the rest of the examination.
- 6.9. Examinees shall proceed immediately to their designated examination rooms after the thermal scanning/screening.
- 6.10. During the examination proper, the following shall be strictly observed:
  - 6.10.1. Watchers/Proctors and examinees shall practice social distancing measures at all times within the examination rooms, particularly when examinees submit their answer sheets and test booklets/questionnaires; only one examinee at a time shall be accommodated;
  - 6.10.2. Any examinee who needs to use the restroom shall be accompanied by a room watcher/proctor, always maintaining social distancing measures. Only one examinee at a time shall be allowed to go to the restroom. Proper hand hygiene shall be observed particularly every after use of the restrooms; and
  - 6.10.3. Protective facemasks and handkerchiefs/tissue shall be inspected by room watchers/proctors before the start of every subject and, if necessary, during the conduct of examination to ensure that they are not used to conceal codigos. In compliance with social distancing measures, the inspection shall be done one at a time, while the rest of the examinees are seated. Examinees must show all the angles of their facemasks and handkerchiefs to the room watcher/proctor for inspection, from a distance of at least one (1) meter from the examinee.
7. All examinees shall be required to download and fill-out a Post Examination Health Surveillance Form and submit the same fourteen (14) days after the examination through the designated Regional Offices' email address. The said form can be downloaded from the PRC official website <http://www.prc.gov.ph>.
8. In addition to the above, the examinees are required to submit results of their RT-PCR or Saliva tests from any of the Department of Health (DOH) accredited facilities 3-5 days before the examination date/s, if falling under the groups stated in DOH Memorandum 2020-258A<sup>3</sup>. Only those examinees with negative results shall be allowed to take the examination.

If the examinee does not fall in the groups mentioned in DOH Memorandum 2588-A (s 2020), he/she shall be allowed to take the examination in the absence of RT-PCR test provided that he/she must undergo a fourteen (14)-day quarantine period wherein he/she is asymptomatic for at least fourteen (14) days prior to the scheduled examination date/s. Provided further, that he/she has no close contact or exposure to the aforementioned cases. A Certificate of Quarantine or its equivalent signed by any of the following shall be submitted instead:

1. Duly licensed Physician (government or private physician);
2. Municipal Health Officer, Provincial Health Officer or City Health Officer;
3. Barangay Officer visiting the examinee's residence or examination personnel attesting that he/she has been in quarantine for fourteen (14) days.

Examinees coming from other countries are required to quarantine for fourteen (14) days in any government accredited facility and/or provide a negative RT-PCR/ Saliva test result whichever is shorter.

9. Please see this link <https://www.prc.gov.ph/sites/default/files/JAO%202021-01%20PRC%20DOH%20PNP.pdf> for detailed information on JAO 01(s 2021).
10. Read carefully and follow the instructions on your Notice of Admission and Examinees Guide.

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<sup>3</sup> Updated Interim Guidelines on Expanded Testing for COVID-19

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.

Manila, Philippines  
January 18, 2022

APPROVED:

  
**FRANCIS V. MAPILE**  
Chairman



CERTIFIED CORRECT:

  
**ATTY. LOVELIKA T. BAUTISTA**  
Chief, PRB Secretariat Division

PRB-OEE/D-SRB  
FVM/LTB/MADC/dette  
MADC

