



“NOT FOR SALE”

PROFESSIONAL REGULATORY BOARD OF AERONAUTICAL ENGINEERING

PROGRAM OF THE AERONAUTICAL ENGINEERS LICENSURE EXAMINATION IN MANILA,
CAGAYAN DE ORO, LEGAZPI, LUCENA, AND ROSALES ON DECEMBER 16, 17, AND 18, 2024

DATE AND TIME	SUBJECTS	RELATIVE WEIGHT
MONDAY, DECEMBER 16, 2024		
7:00 A.M.-7:45 A.M.	GENERAL INSTRUCTIONS FILLING OUT OF FORMS	
8:00 A.M.-12:00 NOON	AERODYNAMICS Fundamentals of Low-High Speed Aerodynamics Application of Aerodynamics to Fixed/ Rotary Wing Aircraft Configurations, Performance, Stability and Control; Wind Tunnels and Applications	25%
2:00 P.M. – 5:00 P.M.	MATHEMATICS Algebra, Trigonometry, Analytical Geometry, Calculus and Differential Equations with Aeronautical Engineering Applications	10%
TUESDAY, DECEMBER 17, 2024		
8:00 A.M.-12:00 NOON	AIRCRAFT STRUCTURES AND DESIGN Aircraft Design Fundamentals; Structural Loading Conditions; Structural Analysis and Design of Airframe Components; Landing Gears, Engine Mounts and Other Structural Parts; Non- Structural Components Design	20%
2:00 P.M.-5:00 P.M.	AIRCRAFT CONSTRUCTION, REPAIR AND MODIFICATION Aircraft Materials and Processes; Methods and Techniques in Repair and Modification in accordance with Civil Airworthiness Regulations; Manufacturing/ Production Processes and Quality Assurance	15%
WEDNESDAY, DECEMBER 18, 2024		
8:00 A.M.- 12:00 NOON	AIRCRAFT POWER PLANT Thermodynamics and Power Plant Design and Operation Fundamentals with Applications to Internal Combustion Engine Reciprocating Engines Aircraft Gas Turbines, Pulsejet and Ramjet, Rocket Propulsion System and other Aircraft Power Systems	20%
2:00 P.M.-5:00 P.M.	ENGINEERING ECONOMICS AND MANAGEMENT LAWS AND ETHICS Principle of Economics and Management as Applied to Aviation Industry; Laws, Rules and Regulations Governing the Practice of Aeronautical Engineering to include PD 1570, Rules and Regulations with Code of Professional Ethics of the Board of Aeronautical Engineering and others (International Aviation Laws)	10%
TOTAL.....		100%

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 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 5:30 a.m. on the first day of 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:

Male Examinees - White polo shirt or shirts with collar, tucked-in (without any seal, logo or mark)
Decent pants or slacks

Female Examinees - White polo shirt or shirts with collar, tucked-in (without any seal, logo or mark)
Decent pants or slacks or skirts
4. Bring the following on examination day:
 - a. Notice of Admission
 - b. Official Receipt
 - c. Two (2) or more pencils (No. 2)
 - d. Ball pens with **BLACK ink only**
 - e. One (1) piece long brown envelope
 - f. One (1) piece long transparent/plastic envelope (for keeping your valuables and other allowed items)
 - g. **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 Licensure Examinations")**

NOTE: ONLY ONE (1) CALCULATOR SHALL BE ALLOWED INSIDE THE EXAMINATION ROOM. CALCULATORS SHALL BE INSPECTED AND SHALL BE RESET BEFORE THE START OF THE EXAMINATION.

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. **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 TO RETRIEVE DATA/INFORMATION AND/OR TO COMMUNICATE FOR WHATEVER PURPOSES.**
 - d. Bags of any kind (ladies bag, shoulder bags, attaché case, backpacks, etc)
 - e. Other examination aides 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)¹ 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


Manila, Philippines
October 22, 2024

APPROVED:


ERNESTO B. FERRERAS, JR.
Chairman

CERTIFIED CORRECT:


Atty. Lovelika T. Bautista
Chief, PRB Secretariat Division

PRB-AER/O-LO/D-SPRB
EBF/LTB/MADC/adc
 MADC

¹Updated Health Protocols Following the Lifting of the COVID-19 Public Health Emergency