



Republic of the Philippines
Professional Regulation Commission
Manila



PROFESSIONAL REGULATORY BOARD OF CIVIL ENGINEERING

**PROGRAM OF THE CIVIL ENGINEERS LICENSURE EXAMINATION
IN RIYADH, JEDDAH AND AL-KHOBAR, KSA; ABU DHABI, UAE; DOHA, QATAR;
AL AHMADI, KUWAIT; AND MANAMA, KINGDOM OF BAHRAIN ON
AUGUST 12 AND 13, 2019**

DATE AND TIME	SUBJECTS	WEIGHT
<u>MONDAY, AUGUST 12, 2019</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, SURVEYING AND TRANSPORTATION ENGINEERING ----- Algebra, Plane and Spherical Trigonometry, Analytical Geometry, Descriptive and Solid Geometry, Differential and Integral Calculus, Highway and Railroad Surveying, Plane Topographic and Hydrographic Surveying, Advanced Surveying, Design and Construction of Highways, Railroads, Pier, Ports and Wharves	35%
2:00 P.M. - 6:00 P.M.	HYDRAULICS AND GEOTECHNICAL ENGINEERING ----- Fluid Properties; Hydrostatic Pressures; Fluid Flow; Buoyancy and Flotation; Relative equilibrium of Liquids; Hydrodynamics; Water Supply; Soil Properties; Soils Classification; Fluid Flow through Soil Mass; Stresses in Soil Mass; Soil Strength and Tests; Bearing Capacity; Compaction; Consolidation and Settlement; Lateral Earth Pressures; Slope Stability	30%
<u>TUESDAY, AUGUST 13, 2019</u>		
8:00 A.M.-1:00 P.M.	STRUCTURAL ENGINEERING AND CONSTRUCTION ----- Engineering Mechanics; Strength of Materials; Theory of Structures; Analysis and Design of Concrete; Steel, and Timber Structures; Foundation Design; Construction Management with application of the governing Codes of Practice	35%
	TOTAL	100%

