

GENERAL INFORMATION AND GUIDELINES FOR REGISTERED CANDIDATES FOR 2010 IPAN PROFESSIONAL I (P.E. I) EXAMINATION

COURSES AVAILABLE FOR P.E. I EXAMINATIONS

P.E. I candidates will be examined in three (3) papers:

These are: Paper I: Classical Methods of Analysis and Separation Methods

Paper II: Spectroscopic and Miscellaneous Methods of Analysis

Paper III; Data Management and Quality Assurance

Exemption

Only candidates with taught Masters Degree in Analytical Chemistry, Drug Analysis and Food Analysis are exempted from Papers I and II, and are required to sit for Paper III only. Candidates who are eligible for exemptions are expected to apply, with a fee of **Five thousand Naira (₦5, 000.00)** only as exemption fee.

Examination

Date:

Dates for Professional I examination has been fixed for Wednesday 1st and Thursday, 2nd September, 2010. Details of the examination Time table and venue will be made available to all candidates in due course.

Pre-Examination Tutorial Class

Please note that a two- day pre-examination Tutorial Class has been slated for Friday, 13th and Saturday, 14th August, 2010. It will be held at the IPAN secretariat between 10am-4pm on day 1 and 8am -4pm on day 2. The fee per participant for the two days is ten thousand naira (₦ 10,000) only to cover revision materials, mock examination and lunch.

Recommended textbook for Papers I & II is Fundamentals of Analytical Chemistry by Skoog, West, Holler, Crouch. (Eighth Edition)

Paper I comprises Part III (Classical Methods of Analysis), with the following Chapters:

Chapters	Topics
12	Gravimetric Methods of Analysis
13	Titrimetric Methods; Precipitation Titrimetry
14	Principles of Neutralization Titrations
16	Applications of Neutralizations Titrations
17	Complexation Reactions and Titrations

Part VI (Kinetics and Separations), with the following Chapters:

Chapters	Topics
30	Introduction to Analytical Separations
31	Gas Chromatography
32	High- Performance Liquid Chromatography

Paper II comprises Part V (Spectrochemical Methods), with the following Chapters:

Chapters	Topics
24	Introduction to Spectrochemical Methods
25	Instruments for Optical Spectrometry
26	Molecular Absorption Spectrometry
28	Atomic Spectroscopy

and Part IV (Electrochemical Methods), with the following Chapters:

Chapters	Topics
18	Introduction to Electrochemistry
19	Applications of Standard Electrode Potentials
20	Applications of Oxidation/Reduction Titrations
21	Potentiometry

Paper III This paper is to be taken by **all** candidates.

The Study material for Paper III (Data Management and Quality Assurance) is a collection of materials produced by the Institute containing the following lecture papers:

- ❖ Basic Concepts of Quality Assurance in an Analytical Laboratory
- ❖ Systems Audit in Manufacturing Industries
- ❖ Quality Assurance of Chemical Laboratory Instruments, Equipment, and Materials
- ❖ Management of Resources: Application to Laboratory
- ❖ Methods Manual
- ❖ Control Charting for Quality Assurance and Control
- ❖ Documentation for Quality Assurance
- ❖ Quality Assurance Laboratory- Overview
- ❖ Quality Control Tools

All the study materials are available at the Secretariat for candidates who wish to have them.