

---

---

# West Midlands Training Course in Clinical Biochemistry

---

## Course Assessment – Spring 2010

Essay Questions. Answer 2 questions only. Time allowed 1 hour 30 minutes.

- 1) Discuss the differential diagnosis and management of a 50 year old woman who presents with a serum calcium concentration of 3.8 mmol/L
  - 2) Critically evaluate the methods in general use for the measurement of the concentrations of PTH and Vitamin D in plasma or serum.
  - 3) Describe and compare the principles of immunoturbidimetry and immunonephelometry. Discuss their uses and limitations.
  - 4) Write short notes on **two** of the following:
    - a. B-type natriuretic peptide
    - b. Lead poisoning
    - c. Role of the laboratory in the assessment of CSF xanthochromia
- 
-