

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES

2009/2010 FIRST SEMESTER EXAMINATION
PLB 404: CYTOGENETICS
PRACTICAL EXAMINATION

Answer **ALL** questions.

Time: 1 hour

- i. How would you prepare a material for Karyotype study?
- ii. Identify Specimen **A**, **B** and **C** under the microscope.
- iii. What is the significance of the stages seen?
- iv. How does the chromosome number following cytokinesis compare to a cell that is in interphase?
- v. State the importance of chiasma in cell division.
- vi. What types of proteins are found in the chromatin fibre? What possible roles do these proteins perform?

(25 Marks)