

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES

2010/2011 SECOND SEMESTER EXAMINATION

MCB 413: PHARMACEUTICAL MICROBIOLOGY
PRACTICAL EXAMINATION

Answer ALL questions

Time: 1hr

1. Filter discs impregnated with two disinfectants have been placed on agar plates containing *Bacillus subtilis* and labelled A and B.
 - (i) Measure and record the zones of inhibition of the disinfectants on the bacterium.
 - (ii) Which disinfectant would you recommend and why?

2.
 - (i) Which is more effective as a disinfecting agent. 100% ethanol or 70% ethanol? Give reasons for your answer.
 - (ii) List 3 heavy metals used as disinfectants in order of toxicity.
 - (iii) Explain 3 factors which may affect the action of disinfectants.

(25 Marks)