

BIO 201 Resit 2008-2009

- (1) (a) With the aid of annotated diagrams only:
- (i) Present the inter-relationship between energy transforming activities in a mitochondrion and a chloroplast. (6 Marks)
 - (ii) Show the relative positions of the endomembrane system in a eukaryotic cell. (4 Marks).
- (b) (i) State the central dogma of molecular biology (2 Marks).
- (ii) How is the cell cycle regulated? (4 Marks).
 - (iii) Describe the structure of DNA molecule according to Watson and Crick hypothesis (4 Mks)
- Total Marks: 20 Marks)