
Student number

Last name

First Name

BIO 1140 FINAL EXAM 2008

SECTION B 75 MARKS

Prof. Fenwick

Dept. Biology

No books, notes, or calculators permitted. Please do not ask any questions during the exam as they will not be answered.

General Instructions: Please use **black or blue ink** as it is much easier to mark. Keep the markers happy! Use only the space provided and use the space given as an indication of how long your answer should be. More space is provided than you actually require.

BE CERTAIN TO FILL IN YOUR STUDENT NUMBER AND NAME

DO NOT MAKE ANY MARKS ON THIS PAGE BELOW THIS LINE

Question	Score	Possible Value
PART 1		50
1		5
2		5
3		5
4		5
5		5
6		5
7		5
8		5
9		5
10		5
PART 2		25
1		10
2		10
3		5
TOTAL		75

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6. In plain english, explain what the following sentence is saying. “The central component of the translocon is the evolutionarily conserved heterotrimeric Sec61 protein complex. **(FIVE MARKS)**

7. Describe the cotranslational translocation of a Type I integral membrane protein. **(FIVE MARKS)**

8. List the first three levels of protein structure and for each indicate what is its main feature and the major type of bond(s) associated with the structure. **(FIVE MARKS)**

1
2.
3.

