

**DEPARTMENT OF MEDICINAL CHEMISTRY
SCHOOL OF PHARMACY**

3. Define competitive inhibition of an enzyme. You may use a figure or diagram to support your answer. (4 pts). Name a drug that inhibits an enzyme competitively. (4 pts)

4. An example of a drug that inhibits an enzyme non-competitively is _____. (2 pts)
The name of this enzyme is _____. (2 pts) The clinical use of this drug is _____. (1 pts)

5. Several drugs continue to be used in the clinic today as discovered from nature. Name two drugs in use today that fall in this category, i.e, essentially unmodified from the natural structure, and identify their clinical usage. (4 pts)

<u>Drug</u>	<u>Used in the Clinic As</u>
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_____	_____
_____	_____

6. Natural products have been the main source of drugs for man todate. List three advantages and three disadvantages these molecules carry in their use as clinically useful agents. (6 pts)

Advantages

- a) _____
b) _____
c) _____

Disadvantages

- d) _____
e) _____
f) _____
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