

1) Explain

- a) serum albumin
- b) lead compound
- c) ADME

- d) agnostic binding
- e) communicable disease
- f) Oxygenase

2) Explain concept of prodrugs using heroine as an example and comment on the release mechanism and location in the body that the heroine drug design addresses

3) Explain the major mode of action of the statins and how they exhibit their action as cardioprotective and cholesterol-lowering agents

3b) Name three (3) steroids, what they are responsible of and how they work

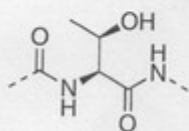
3c) Why cholesterol can cause cardiovascular disease?

4) Name disease caused by fault in some faults in these: (cant remember the rest of 2) Enforfin production

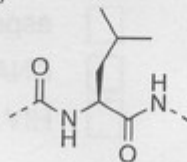
5)

Name the main intermolecular forces caused by the amino acid side chains of a) serine, b) leucine, and c) arginine (one force each), that are responsible for attractive binding of inhibitors to proteins.

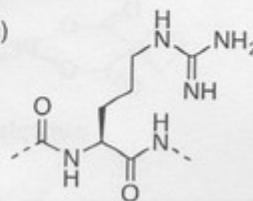
a)



b)



c)



6)

What are the molecular targets and/or modulated physiological functions of the following drug molecules? (multiple answers possible)

Dont remember the molecules (4), at least there was Penicillin G