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**Please answer the following questions:**

**Q1: Write an account on: ( 6 Marks, 2 marks for each)**

- a. Cardiovascular actions of Xanthines.
- b. The pharmacological actions of barbiturates can be changed by structure.
- c. The therapeutic uses of Ataractics.

**Q2: ( 6 marks):**

**A- Compare between: (3 Marks, 1.5 mark for each)**

- 1- Reserpine and propranolol as hypotensive drugs.
- 2- Indications and contraindications of using Atropine as preanaesthetic medication.

**B- Discuss the pharmacological actions of the following drugs on cardiovascular system:  
(3 marks, 1 mark for each)**

- 1- Low dose of adrenaline.
- 2- Cocaine.
- 3- Ether.

**Q3: Complete the following sentences: (7 Mark ):**

- a. There are factors which may affect drug actions and doses including.....(1).....,(2).....(3),.....(4).....(5).....(6).....  
.....(7).....(8).....(9).....(10).....(11).....(12).....  
.....(13)..... and drug /drug interaction which is.....
  - b. The anti-inflammatory agents include NSAIDs with carboxylic acid ring (R- COOH) as.....(1).....(2).....(3)..... and Enolic acid ring (R-COH) as.....(1).....(2).....
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**Subject:**  
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*Final Exam*

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The antiinflammatory agents also include synthetic corticoids which are characterized by.....(1).....(2).....(3).....(4).....(5).....(6).....  
.....(7).....(8).....

**Q4: Fill in the following spaces: (6 marks)**

- a. The pharmacological actions of acetyl choline on cardiovascular system are.....(1).....(2).....(3).....
- And on smooth muscles are.....(1).....but on exocrine glands are.....(1).....
- b. The therapeutic uses of atropine include.....(1).....  
.....(2).....(3).....  
.....(4).....(5).....
- c. Tubocurarine acts as skeletal muscle relaxant by.....(1).....
- And its toxicity include.....(1).....(2).....(3).....
- d. Adverse effects of irreversible anticholinestrases are.....(1).....  
.....(2).....(3).....(4).....

*Pro. Dr./ Aboelnasr Ahmed Zahra*  
*Signature/*

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