

Kafrelsheikh University
Faculty of veterinary medicine
Department of pharmacology
Subject:
Code :
Name:
Academic number:



3rd year
Date: 23/12/2017
Time allowed: 2 hrs
Number of pages: 2
Full marks: 25
Final Exam

Please answer all the following questions:

Q1: (7 Marks)

A. Compare between : (4.5 Marks)

- 1- Clinical distribution models. (1)
- 2- Drug metabolism phases. (1.5)
- 3- Heparin and Dicumarol. (2)

B- Write an account on: (2.5 Marks)

- 1- Treatment of organophosphate toxicity. (0.5)
- 2- Therapeutic uses of neuromuscular blockers. (1)
- 3- Cardiovascular and exocrine gland effects of acetylcholine. (1)

Q2: Write short notes on: (5 Marks)

- a. Pharmacological effects of different doses of adrenaline and cocaine on cardiovascular system. (2)
- b. Mechanism of action of local anesthetic drugs and how pH can modify their actions. (1.5)
- c. Indications and contraindications of atropine sulphate as preanaesthetic medication. (1.5)

Q3: Complete the following sentences: (13 Mark, 1 mark for each)

- a. The diuretic action of xanthines is by.....(1),.....(2),.....(3),.....(4).
 - b. The duration of action of barbiturates depends on(1),.....(2),.....(3)
 - c. Tranquilizers therapeutic uses are.....(1),.....(2),.....(3),.....(4).
 - d. The pharmacological actions of morphine on medulla are.....(1),.....(2),.....(3),.....(4).
 - e. The salicylates anti inflammatory and anti rheumatic effects by.....(1),.....(2),.....(3),.....(4),.....(5)
 - f. Tolerance is a factor affecting drug actions and doses and it may be.....(1) as.....(a).....and(2).....in special types including.....(a).....,.....(b).....,.....(c).....
 - g. Prostaglandins are a group of fatty acids with pharmacological actions including:
 - On reproduction.....(1),.....(2),.....(3),.....(4)
 - On blood pressure.....(1),.....(2),.....(3)
 - On smooth muscles.....(1).....
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- h. Digitalis is a glycoside which acts on cardiovascular system inducing.....(1),.....(2),.....(3),.....(4) and It acts by.....
- i. Hepatic dysfunction affects.....(1)....and.....(2).....clearance of the drug.
- j. Trimethaphan acts on(1).....receptors by.....(2).....
- k.(1).....is atropine substitute acts mainly on ganglia, while...(2).....acts mainly on eye.
- l. The anti-migraine effect of ergotamine is due to the action on.....(1).....receptor, while oxytocic effect of ergometrine is due to.....(2).....
- m. Special considerations in corticoids therapy include.....(1),.....(2)

Pro. Dr./ Aboelnasr Ahmed Zahra

Signature/
