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**NAME**

**ID NO.**  
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**I- CHOOSE ONLY ONE CORRECT ANSWER OF THE FOLLOWINGS:**

**1- TYPE B ADVERSE EFFECTS OF DRUGS HAS THE FOLLOWING CHARACTERISTICS:**

- a- None dose related
- b- It is dose related
- c- It is commonly occurred
- d- None of the above

**2- PHARMACOKINETIC ANTAGONIST CAN BE ACHIEVED BY ONE OF THE FOLLOWINGS::**

- a- Decreasing number of receptors
- b- Enhancing drug excretion
- c- Decreasing the production of 2<sup>nd</sup> messenger such as cAMP
- d- All of the above

**3- REGARDING PHYSIOLOGICAL ANTAGONIST:**

- a- Two drugs can oppose each other on the same receptors
- b- Two drugs oppose each other by acting on two different types of receptors
- c- Two drugs induce the same second messengers
- d- All of the above

**4- REGARDING DOWN REGULATION OF RECEPTORS**

- a- It leads to decrease the efficacy of drugs
- b- It occurs only with agonist drug
- c- It leads to resistant of drug actions
- d- All of the above

**5- TOLERANCE TO DRUG IS DUE TO:**

- a- An increase in the metabolism of drug
- b- Change in the receptors of the drug
- c- Depletion of mediators
- d- All of the above

**6- UPTAKE MECHANISM OF ENDOGENOUS SUBSTRATE IS A TARGET FOR MANY DRUGS, WHICH ONE OF THE FOLLOWING DRUG ACTS BY THIS MECHANISM:**

- a- Imipramine
- b- Omeprazole
- c- Digoxin
- d- All of the above