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Student's Name:

No.

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**PART I: MARK THE RIGHT ANSWER, AND REMEMBER THERE IS ONLY ONE RIGHTANSWER:**

**1. Paracetamol induces analgesia is the result of a:**

- a) inhibition of cox3 in central nervous system
- b) blocking cox2
- c) activation of cox1
- d) change in acid-base balance
- e) lowering of the irritability of the reticular-activating system

**2. Histamine induces one of the following:**

- a) abrupt fall in the arterial blood pressure
- b) analgesia
- c) bronchodilation
- d) decrease gastric secretion acid
- e) Diabetes mellitus

**3- Dimenhydrinate is effective in vertigo is a result of:**

- a) blocking of histamine receptor in particular H1 in inner ear.
- b) **Blocking muscarinic receptor in the inner ear**
- c) Sedative effect
- d) Blocking of leukotrienes receptors
- e) All of the above

**4. Alprostadil (PGE1) has one of the followings:**

- a) Keep the ductus arteriosus open
- b) use to treat pain
- c) Prolongs pregnancy period
- d) Treats congestive heart failure
- e) Precipitates myocardial infarction

**5. Drug that is used therapeutically to induce second trimester abortions:**

- a) Carboprost
- b) bradykinin
- c) Norepinephrine
- d) prostacyclin (PGI2)
- e) histamine

**6.A primary therapeutic indication for the use of an H1 antagonist such as loratidine is attenuation of:**

- a) hypertension
- b) gastric acid section
- c) Congestive heart failure
- d) **seasonal rhinitis**
- e) **none of the above**

**7. Effective treatment of acute migraine by one of the following drugs**

- a) Sumatriptan
- b) acetylcysteine
- c) colchicine
- d) acetaminophen
- e) All of the above

**8- leukotrienes receptor blocking agent can be used in the one of the followings:**

- a) Bronchial asthma
- b) hypertension
- c) Diabetes mellitus
- d) Stroke
- e) Hypotension

**9. An antipyretic with weak anti-inflammatory activity is one of the followings.:**

- a) Paracetamol
- b) Indomethacin
- c) diclofenac sodium
- d) Celecoxib
- e) All of the above

**10. The ulcerogenic effect of Non-steroidal anti-inflammatory drugs can be antagonize by**

- a) H2 blockers
- b) misoprostol
- c) Proton pump inhibitors
- d) Ranitidine
- e) All of the above

**11. Inhibition of cyclooxygenase activity is usually associated with:**

- a) Increased prostaglandin formation
- b) increased thromboxane formation
- c) increased leukotriene formation
- d) decreased bleeding time
- e) all of the above

**12- Ondansetron has one of the following properties:**

- a) 5-HT1 receptor blocker
- b) 5-HT1 receptor stimulant
- c) **Potent anti-emetic**
- d) Potent inhibitor of chemotherapy and radiation induce emesis
- e) All of the above

**13- Regarding Montelukast (singular):**

- a) It is leukotriene receptor blocker
- b) It is beta-2 adrenergic agonist
- c) It is non-selective cox inhibitor
- d) It is very effective alone in the treatment of bronchial asthma
- e) All of the above

**14- Regarding Kinins:**

- a) They are potent vasoconstrictors
- b) **Angiotensin converting enzyme inhibitors increases their blood level**
- c) It is effective in the treatment of migraine headache
- d) They block serotonin receptors
- e) All of the above

**15- None Steroidal anti-inflammatory drugs induced nephrotoxicity by one of the following:**

- a) **Blocking production of vasodilating prostaglandins**
- b) blocking serotonin receptors
- c) Decreases production of leukotrienes
- d) Increases glomular filtration rate (GFR)
- e) All of the above

**16-Inhibition of liopxygenase activity is usually associated with:**

- a) decreased prostaglandin formation
- b) increased thromboxane formation
- c) **decreased leukotriene formation**
- d) decreased bleeding time

e) all of the above

**17-Regardinf cromolyn sodium:**

- a) antagonized by histamine
- b) increased by prostacyclin
- c) inhibits COX II
- d) It is stabilized mast cell leading to prevention of histamine release
- d) All of the above

**18-Cyprohetadine has one of the followings properties:**

- a) induces sedation
- b) increases appetite
- c) blocks H1 receptor
- d) blocks serotonin receptors
- e) All of the above