

Date: 07-04-2016

PBJ 3025

## **Second Year MBBS Examination**

### **II MBBS Pharmacology Paper 1**

Time: 2 hours

#### **Instructions:**

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

#### **Section 1**

Max Marks: 40

1. Multiple Choice Questions: (10)
  - a. Mydriasis produced by phenylephrine is due to: (A) Contraction of radial muscle of iris (B) Contraction of circular muscle of iris (C) Both (D) None
  - b. Out of followings, which is the ideal antihistaminic for Truck driver with sneezing and rhinorrhea: A) Pheniramine B)

Promethazine (C) Diphenhydramine (D)

Cetirizine

- c. All are uricosuric drugs EXCEPT:  
(A) Probenecid. (B) Sulfapyrazole (C)  
Colchicine (D) High dosages of Aspirin.
- d. The mechanism of action of Disulfiram: (A)  
Inhibits alcohol dehydrogenase (B) Inhibits  
aldehyde dehydrogenase (C) Increase  
oxidation of alcohol. (D) Retard absorption of  
alcohol. Co
- e. Potassium channel opener that also acts by  
nitric oxide release (A) Hydralazine  
(B) Minoxidil (C) Diazoxide (D) Nicorandil
- f. Spironolactone avoid in patient receiving: (A)  
Furosemide (B) Enalapril (C)  
Hydrochlorothiazide (D) Verapamil
- g. The following drugs act by inhibiting  
H<sup>+</sup>K<sup>+</sup>ATPase enzyme in gastric parietal cells:  
(A) Ranitidine (B) Rabeprazole (C) Rioprostil  
(D) Pirenzepine
- h. Which of the following statements is not  
correct for local anesthetics?: (A) In a tissue  
they exist either as an uncharged base or as  
a cation (B) A charged cationic form  
penetrates biologic membranes more readily  
than an uncharged form (C) Local  
anesthetics are much less effective in  
inflamed tissues (D) Low pH in inflamed  
tissues decreases the dissociation of

nonionized molecules

- i. Pharmacovigilance is to monitor: (A) Cost of the drugs (B) Unauthorized drug companies (C) Drug safety (D) Pharmacy students

## Section 2

2. Write short notes on: (two out of three) (10)

- a. Treatment of severe migraine
- b. Treatment of organophosphorus Poisoning
- c. Treatment of open angle glaucoma.

3. Write briefly on (four out of five) (10)

- a. Lignocaine:
- b. Carbamazepine
- c. plasma half-life
- d. Proton Pump inhibitors
- e. Potassium sparing diuretics.

4. Write short notes on: (two out of three) (10)

- a. ACE inhibitors
- b. G-protein coupled receptors
- c. Alpha blockers,

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