

GAL 2001
Second Year MBBS Examination
II MBBS Pharmacology Paper 1

Time: 2 hours Max Marks: 40

Date: 04-03-2021

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

1. Multiple choice question : (10)

- a) A receptor which itself has enzymatic property is (A) Insulin receptor (B) Progesterone receptor (C) Thyroxine receptor (D) Glucagon receptor
- b) Drug cumulation is the basis of organ toxicity of the following drug when used for prolonged periods: (A) Prednisolone (B) chloroquine (C) Aspirin (D) Hydralazine
- c) A suspected case of poisoning has been brought to the casualty with weakness, fainting, involuntary passage of urine and stools, profuse sweating, salivation, watering from nose and eyes. His pulse is 120/min, low volume, BP 90/60 mm Hg, respiration shallow,

pupil constricted, muscles flabby with occasional fasciculations. Which is the most likely type of poisoning? (A) Belladonna (B) Barbiturate (C) Anticholinesterase (D) Paracetamol

d) Select the antihistaminic which modulates calcium channels and has prominent labyrinthine suppressant property: (A) Cyproheptadine (B) Cinnarizine (C) Clemastine (D) Cetirizine

e) The following drug is used for cervical priming to facilitate labour: (A) Oxytocin (B) Clomiphene (C) Progesterone (D) Prostaglandin E₂

f) The local anaesthetic with the longest duration of action is: (A) Procaine (B) Chlorprocaine (C) Lignocaine (D) Dibucaine

g) Select the drug that antagonises diazepam action non-competitively: (A) Adenosine (B) Flumazenil (C) Bicuculline (D) Valproic acid

h) Which of the following drugs is a potassium channel opener: (A) Nicorandil (B) Hydralazine (C) Glibenclamide (D) Amiloride

i) The following antihypertensive combination is irrational, and therefore should not be used: (A) Nifedipine + hydralazine (B) Amlodipine + atenolol (C) Enalapril + clonidine (D) Enalapril + hydrochlorothiazide

j) Thiazide diuretics and furosemide have directionally opposite effect on the net renal excretion of the following substance: (A) Uric acid (B) Calcium (C) Magnesium (D) Bicarbonate

Section 2

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

- a) Pharmacotherapy of Peptic Ulcer.
- b) Pharmacotherapy of Migraine.
- c) Pharmacotherapy of Rheumatoid Arthritis.

3. Write briefly on: (Four out of five) (10)

- a) Names of SSRI
- b) ORS
- c) Pheochromocytoma.
- d) Zero order kinetics.
- e) Idiosyncratic drug reactions

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

- a) Adverse drug reactions of antipsychotic medication.
- b) Myocardial Infarction.
- c) Status Epilepticus.
