19/02/22

Total No. of printed pages = 4

BP 503 T

Roll No. of candidate | | | | | | | | | | |

2021

B.Pharm. 5th Semester End-Term Examination

Pharmacy

PHARMACOLOGY – II

(New Regulation)

Full Marks – 75 Time – Three hours

The figures in the margin indicate full marks for the questions.

1. Answer ALL the questions : (20 × 1 = 20)

(i) Digilatis toxicity is increased by

(a) Hyperkalaemia (b) Hypokalaemia

(c) Hyperglycaemia (d) None of the above

(ii) Following is a centrally acting antihypertensive drugs

(a) Verapamil (b) Clonidine

(c) Prazosin (d) Pindolol

(iii) The beneficial drug combination for angina is

(a) Beta blockers + Organic Nitrates

(b) Beta Blockers + Alpha Blockers

(c) Calcium Channel Blockers + Beta Blockers

(d) Digoxin + Calcium Channel Blockers

(iv) Problem of using Quinidine is

(a) It can cause Torsades de Pointes

(b) Large dose can cause cinchonism

(c) Both (a) and (b)

(d) None of Above

[Turn over

(v) Which one is the highly sedative H_1 antihistaminic

(a) Cetirizine (b) Sodium chromoglycate

(c) Promethazine (d) Cimetidine

(vi) Following is a 5 HT_3 antagonist and beneficial for chemotherapy induced emesis

(a) Cyproheptadine (b) Ketanserin

(c) Bromocriptine (d) Ondansetron

(vii) Following is an example of colloid type plasma volume expanders

(a) Normal saline (b) Ringer lactate

(c) Human Albumin (d) Fibrinogen

(viii) Cholestyramineworks by following mechanism

(a) Inhibits intestinal absorption of cholesterol

(b) Inhibits lipolysis and VLDL secretion

(c) Inhibits HMG CoA reductase

(d) Bind with bile acid

(ix) Dobutamine can be used in case of

(a) Myocardial Infarction (b) Hyperlipidemia

(c) Cardiogenic shock (d) Hypertension

(x) Glucocorticoids and Mineralocorticoids are secreted by

(a) Anterior pituitary (b) Posterior Pituitary

(c) Adrenal Cortex (d) Adrenal Medulla

(xi) Master Gland of the human body is

(a) Hypothalamus (b) Thalamus

(c) Pancrease (d) Kidney

(xii) IV infusion of insulin causes

(a) Cytokinins (b) Incretins

(c) Peptides (d) Interleukins

(xiii) The prime component from which sex hormones are formed is

(a) Arachidonic Acid (b) Cholesterol

(c) Aldosterone (d) Hydrocortisone

(xiv) The dose of estrogen used in Hormone replacement Therapy is _____ than that of contraception

(a) High (b) Low

(c) Equal (d) Depends on patient

(xv) Acini over the mammary glands is induced by

(a) Estrogen (b) Progestrone

(c) Testosterone (d) All the above

(xvi) Bioassay is done to measure the ———————— of a drug

(a) Potency (b) Concentration

(c) Both (a) and (b) (d) Toxicity

(xvii) Diuretic spironolactone act by

(a) Osmosis

(b) Inhibiting carbonic anhydrase enzyme

(c) Blocking aldosterone receptor

(d) Blocking Na^+/Cl^- Cotransport system

(xviii) Bradykinin

(a) Is a potent vasodilator

(b) Is a potent vasoconstrictor

(c) Possess positive inotropic effect

(d) Possess negative chronoscopic effect

(xix) Following is a drug work by blocking leukotrienes receptor and used in asthma

(a) Misoprostol (b) Celecoxib

(c) Montelukast (d) None of the above

(xx) Thyroid storm can be managed by

(a) Propylthiouracil (b) Collosal iodine

(c) Propranolol (d) All the above

2. Answer any *Seven* (7 × 5 = 35)

(a) What is Autocoid? Explain in brief about 5HT3 antagonist and their uses. (1+4=5)

(b) Explain in brief about oxytocic and tocolytic. (5)

(c) What is diuretic? Write a note on Furosemide and acetazolamide. (1+4=5)

(d) What is the role of Renin – Angiotensin in hypertension? Write down the various drugs that are acting on Renin – Angiotensin mechanism including ADR. (3+2=5)

(e) Write short notes on *any two* (2.5+2.5=5)

(i) Plasma Volume Expanders

(ii) Haematinics

(iii) Fibrinolytics

(f) What is Bioassay? Elaborate the various types of Bioassay. (1+4=5)

(g) What is Estrogen? Write in brief about various estrogen preparations and their therapeutic uses. (1+4=5)

(h) Describe in brief about the role of cardiac glycosides in CHF. (5)

(i) What is Rheumatoid arthritis? Briefly write about antirheumatoid drugs, their MOA and ADR. (1+4=5)

3. Answer any *Two* (2 × 10 = 20)

(a) What is Angina Pectories? Classify Antianginal Drugs with Suitable Examples. Write down the mechanism of action of each class along with ADR. (2+2+6 = 10)

(b) Classify anti-inflammatory drugs. Mention their mechanism of action, use and ADR. (3+7=10)

(c) What is Diabetes Mellitus? Write in brief about various drugs used in the treatment of Diabetes Mellitus including the MOA and ADR. (2+8=10)