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2020

B.Pharm (Practice) 1th Year End-Term Examination

PATHOPHYSIOLOGY AND PHARMACOTHERAPEUTICS — I

Full Marks – 60

Time – Three hours

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

1. Find out the correct answer : (10 × 1 = 10)
- (i) Ischaemic heart disease occur as a result of
- (a) Joint disorder
 - (b) Liver disease
 - (c) Coronary atherosclerosis
 - (d) None of above
- (ii) Torsades de pointes is associated with which drug
- (a) Quinine
 - (b) Rabiprazole
 - (c) Pentoprazole
 - (d) Amoxicillin
- (iii) Primary route of administration of insulin is
- (a) Intra dermal
 - (b) Intra venous
 - (c) Subcutaneous
 - (d) Intra muscular
- (iv) Fluid overload is associated with
- (a) IM route in children
 - (b) IV route in children
 - (c) IV route in large volume parenteral in children
 - (d) IV route in small volume parenteral in children

[Turn over

- (v) Following is the antiplatelet drugs used in MI
- (a) Diclofenac sodium
 - (b) Aceclofenac
 - (c) Aspirin
 - (d) All of these
- (vi) Which beta blocker is more preferable in hypertension
- (a) Propranolol
 - (b) Metoprolol
 - (c) Hydralazine
 - (d) Quinidine
- (vii) Following is the first line antihypertensive drugs for older patients
- (a) Amlodipin
 - (b) Propranolol
 - (c) Metformin
 - (d) Pantoprazole
- (viii) Polypharmacy is a considerable factor in
- (a) Pediatrics
 - (b) Geriatrics
 - (c) Lactating mother
 - (d) All of these
- (ix) LFT is done in the selection of dose and drug in case of
- (a) Renal impairment
 - (b) Hepatic impairment
 - (c) Pancreatic impairment
 - (d) All of these
- (x) Iatrogenic disease means
- (a) Disease due to medical treatment
 - (b) Disease due to lack of treatment
 - (c) Disease due to avoid of treatment
 - (d) All of these

2. Answer any six questions : (6 × 5 = 30)
- (a) What are the different factors regulating the drug selection in pediatric patients. (5)
 - (b) What are the different aim and objectives of drug selection in geriatric patients? (5)
 - (c) Briefly explain about various routes of drug administration. (5)
 - (d) What are diuretics? Write in brief about any one class of diuretics. (5)
 - (e) What are the causes and types of CHF? Write a brief outline of its management. (5)
 - (f) Describe the criteria's and guideline in the selection of drug in pregnant and lactating mother. (5)
 - (g) Write your views on the selection of drug in hepatic and renal impairment. (5)
 - (h) What is COPD? Describe the pathophysiology and management of Asthma. (1+4=5)
3. Answer any TWO questions : (2 × 10 = 20)
- (a) What is hypertension? Classify antihypertensive drugs with examples. Write the various mechanisms of action and their ADR. (2+4+4 = 10)
 - (b) Define diabetes mellitus and Brief its sign-symptoms and complications. Discuss in details about the Management of diabetes mellitus. (4+6=10)
 - (c) Brief the sign and symptom of hyper and hypothyroidism. Discuss briefly about antithyroid drugs with their mechanism of action. (4+6=10)
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