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Roll No. of candidate

Guwahati - 781017

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2019

B.Pharm. 6th Semester End-Term Examination

PHARMACOLOGY — II

(Old Regulation)

Full Marks – 100

Time – Three hours

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

1. Answer any *ten* of the following questions :
(10 × 1 = 10)
- (i) Example of drug used as Osmotic diuretic is
- (a) Furosemide
 - (b) Hydrochlor Thiazide
 - (c) Mannitol
 - (d) Acetazolamide
- (ii) First line antihypertensive drug for Elderly obese hypertensive is
- (a) Prazocin
 - (b) Thiazide diuretics
 - (c) ACE inhibitors
 - (d) None of the above

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- (iii) The principal action common to all Class I antiarrhythmic drugs
- (a) Na^+ channel blockage
 - (b) K^+ channel opening
 - (c) Depression of impulse conduction
 - (d) Prolongation of effective refractory period
- (iv) In COPD patient the following anti hypertensive drug is contraindicated
- (a) Propranolol
 - (b) Metoprolol
 - (c) Atenolol
 - (d) None of the above
- (v) Total body iron in an adult is
- (a) 2.5-5g
 - (b) 5-7g
 - (c) 10-12g
 - (d) None of the above
- (vi) The following drug inhibit triglyceride synthesis
- (a) Lovastatin
 - (b) Nicotinic acid
 - (c) Clofibrate
 - (d) None of the above
- (vii) A patient treated with anticancer drug cisplatin and suffering from severe vomiting. Drug of choice for him
- (a) Carbamazepine
 - (b) Dicyclomine
 - (c) Promethazine
 - (d) Ondansetron
- (viii) Drug which is very useful in the prophylaxis of migraine
- (a) Propranolol
 - (b) Nimesulide
 - (c) Diclofenac
 - (d) None of the above

- (ix) Calcium Channel blocker which is useful in exercise induced asthma is
- (a) Verapamil (b) Nifedipine
(c) Both (d) None of the above
- (x) Vit. K deficiency leads to
- (a) Haematuria
(b) Bleeding from GIT
(c) All of the above
(d) None of the above
- (xi) Anticoagulant of choice in Pregnancy
- (a) Heparin (b) Warfarin sodium
(c) Dicumarol (d) None of the above
- (xii) All are β_2 receptor agonist except
- (a) Salbutamol (b) Biloterol
(c) Pirbuterol (d) Ipratropium bromide

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2. Answer any six of the following : (6 × 15 = 90)

- (a) Classify antianginal drugs. Write the mechanism of action of antianginal drugs. Write note on Cardiac glycoside. (2 + 7 + 6)
- (b) Classify antihypertensive drugs on the basis of its mechanism of action and give at least two examples of each class. Describe in details about the novelty of GTN in the treatment of angina pectoris. How you manage a patient with acute myocardial infarction. (4 + 4 + 7)
- (c) Explain the terms Antitussive, Expectorants and Mucolytic with suitable examples. Classify the drugs used in bronchial Asthma. Explain elaborately about the management of bronchial Asthma. (9 + 6)

- (d) Explain elaborately about the different phases of clinical trial. Write a note on new drug development process. (8 + 7)
- (e) Define Bioassay. Explain elaborately about different methods of bioassay. (3 + 12)
- (f) Define and classify diuretics. Explain about the Pharmacology of different types of Diuretics. (4 + 11)
- (g) Define and classify autacoids. Describe the biosynthesis, storage, metabolism and pharmacological actions of Histamine. (4 + 11)
- (h) Write short notes on the following (any three) : (3 × 5 = 15)
- (i) Haematinics
 - (ii) Plasma volume expanders
 - (iii) Anti-platelet drugs
 - (iv) Respiratory stimulants.

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