

B.Pharm 6th Semester Exam., 2018

PHARMACOLOGY—II

Time : 3 hours

Full Marks : 70

Instructions :

- (i) The marks are indicated in the right-hand margin.
- (ii) There are **NINE** questions in this paper.
- (iii) Attempt **FIVE** questions in all.
- (iv) Question No. 1 is compulsory.

1. Choose the correct option :

2×7=14

(a) Which of the following is a beta-receptor antagonist?

- (i) Atenolol ✓
- (ii) Thiazide
- (iii) Furosemide
- (iv) Adrenaline

(b) Which of the following is an anti-platelet agent?

- (i) Tranexamic acid ✓
- (ii) Streptokinase ✓
- (iii) Ticlopidine
- (iv) Acetazolamide

(c) Which is true about clopidogrel?

- (i) It selectively inhibits COX-2 enzyme.
- (ii) It reversibly inhibits its target enzyme.
- (iii) It irreversibly inhibits its target enzyme.
- (iv) It blocks ADP receptors.

(d) Digitalis acts by

- (i) sodium channel blockade
- (ii) potassium channel blockade
- (iii) sodium-calcium exchange blockade
- (iv) sodium-potassium pump blockade

(e) A 60-year-old male suffering from congestive heart failure will be best treated with

- (i) furosemide
- (ii) amiloride
- (iii) mannitol
- (iv) thiazide

(f) Which of the following is preferred in diabetic nephropathy?

- (i) Furosemide
- (ii) Enalapril
- (iii) Mannitol
- (iv) Thiazide

- (g) Mode of action of statins is
- (a) lipoprotein lipase inhibition
 - (b) glucose kinase inhibition
 - (c) HMG-CoA oxidase inhibition
 - (d) HMG-CoA reductase inhibition
2. (a) Write on pharmacodynamic classification of anti-hypertensive drugs. 7
- (b) Write on the mechanism of action of calcium blockers in hypertension. 7
3. Discuss the basic and clinical pharmacology of thiazides. 14
4. (a) Enumerate therapeutic uses of beta blockers. 7
- (b) Name the drugs for productive and non-productive cough. 7
5. Discuss clinical pharmacology of antihyperlipidemic drugs. 14
6. (a) Discuss the therapeutic uses of anti-histaminic drugs. 7
- (b) Enumerate second generation anti-histaminics. 7

7. (a) Explain the role of vitamin K in hemostasis. 7
- (b) Enumerate the effects of angiotensin on blood vessels. 7
8. (a) Compare aspirin with clopidogrel. 7
- (b) Write on the drugs for asthma. 7
9. (a) Comment on steroids in asthma. 7
- (b) Enumerate various types of shock. 7
