

T.Y.B.PHARM. SEMESTER-V (2011 COURSE) : SUMMER - 2018

SUBJECT: PHARMACOLOGY-II

Day: **Friday**
Date: **04/05/2018**

S-2018-3968

Time: **10.00 AM TO 01.00 PM**
Max. Marks: 80.

N.B.:

- 1) Q. No. 1 and Q. No. 5 are **COMPULSORY**. Out of the remaining attempt any **TWO** questions from each section.
- 2) Answer to the two sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.

SECTION-I

- Q.1** Answer **ANY FIVE** of the following: **(10)**
- a) Enlist adverse effect of iron preparations
 - b) Enlist therapeutic uses of anticoagulants
 - c) Classify hypolipoproteinemic drugs.
 - d) Enlist the types and therapeutic uses of vasodilators
 - e) What is the mechanism of action of cardiac glycosides
 - f) Enlist the membrane stabilizing agents with suitable examples.
- Q.2** a) Describe synthesis, pharmacology, therapeutic uses and adverse effects of nitric oxide. **(08)**
b) Classify antiarrhythmic drugs with suitable examples. Explain mechanism of action and pharmacology of class II antiarrhythmic drugs. **(07)**
- Q.3** a) Explain pharmacology, adverse drug reactions and contraindications of calcium channel blockers. **(08)**
b) Explain pharmacology and therapeutic uses of aldosterone antagonists. **(07)**
- Q.4** Write short notes on **ANY THREE** of the following: **(15)**
- a) Angiotensin antagonists
 - b) Erythropoietin
 - c) Potassium channel openers
 - d) HMG-CoA reductase inhibitors.

SECTION-II

- Q.5** Answer **ANY FIVE** of the following: **(10)**
- a) Enlist therapeutic uses of diuretics
 - b) Classify antidiarrhoeal drugs with suitable examples
 - c) Explain mechanism of action of ulcer protective agents
 - d) What are antacids? Classify with suitable examples
 - e) Describe the composition and rationale of ORS
 - f) Classify antitussive drugs with suitable examples
- Q.6** a) Classify antiasthmatic agents. Explain the mechanism of action, pharmacology, adverse drug reactions of Beta 2 sympathomimetics **(08)**
b) Discuss the mechanism of action, pharmacology and therapeutic uses of thiazide diuretics. **(07)**
- Q.7** a) What are antiemetics? Classify antiemetics with suitable examples. Discuss the pharmacology of 5-HT₃ antagonists. **(08)**
b) Explain the principles of management of pharmacotherapy of diarrhoea. **(07)**
- Q.8** Write short notes on **ANY THREE** of the following: **(15)**
- a) Leukotriene antagonists
 - b) H₂ antagonists
 - c) Antidiuretic hormone
 - d) Mucolytics

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