

KARNAFULI - II (CBCS) : SUMMER - 2015
SUBJECT : ADVANCED PHARMACOLOGY -II

Day : Thursday
Date : 02-07-2015

Time : 10:00 AM TO 1:00 PM.
Max. Marks : 60

N.B.

- 1) Attempt any **THREE** questions from Section – I and Section – II each.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION - I

- Q.1** Classify antihypertensive drugs. Describe the pharmacological actions, adverse effects and uses of calcium channel blockers. **(10)**
- Q.2** Classify opiates. Describe the pharmacological effects, adverse effects and uses of morphine. **(10)**
- Q.3** Explain the pharmacotherapy of atherosclerosis. Comment on the status of statins. **(10)**
- Q.4** Write elaborate notes on any **TWO** of the following: **(10)**
- a) Complications of thiazide and high ceiling diuretics
 - b) Treatment of myocardial infarction
 - c) Antiplatelet agents
 - d) Therapeutic uses of prostaglandins

SECTION – II

- Q.5** Describe the management of Type II diabetes with oral antidiabetic drugs. **(10)**
- Q.6** Explain the general guidelines of rational uses of antibiotics. **(10)**
- Q.7** Describe the pharmacology and adverse effects drugs used in the treatment of bronchial asthma. **(10)**
- Q.8** Write elaborate notes on any **TWO** of the following: **(10)**
- a) Toxicity of anticancer drugs
 - b) Immunosuppressants
 - c) Treatment of acute renal failure
 - d) Pharmacotherapy of peptic ulcer

KARNAFULI - II (CBCS): / SUMMER - 2015
SUBJECT: ADVANCED PHARMACOLOGY - III

Day: Saturday
Date: 04-07-2015

Time: 10:00AM TO 1:00PM
Max. Marks: 60

N.B.:

- 1) Attempt **ANY THREE** questions from Section – I and Section – II each.
- 2) Each section should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** Describe the biosynthesis of NO. Explain the pharmacological effect and (10) clinical conditions in which NO may play a part.
- Q.2** Explain the role of neuropeptides as endogenous modulators. Add a note on (10) their receptors.
- Q.3** Explain in detail the types of serotonin receptors. Add a note on their clinical (10) implications.
- Q.4** Explain the types, regulation, signaling and functions of angiotensin receptors. (10) What is their clinical importance?

SECTION - II

- Q.5** Explain in detail the insulin receptor and the molecular mechanism of insulin (10) action.
- Q.6** Discuss about the Oestrogen receptors. Add a note on the mechanism of (10) action of Oestrogens.
- Q.7** Discuss the pharmacological and clinical implications of cell apoptosis. (10)
- Q.8** Explain in detail the concept of chronopharmacology. Add a note on their (10) implications to drug therapy.