

KARNAFOLI – II (CBCS 2012 COURSE) : SUMMER – 2016
SUBJECT : ADVANCED PHARMACOLOGY – III

Day : Tuesday
Date : 05-07-2016

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

N.B.

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

SECTION – I

- Q.1** Explain in detail the role of arachidonic acid metabolites in inflammation. Add a note on drug targets of inflammation. **(10)**
- Q.2** Name the types of cholinergic receptors. Explain in detail the molecular changes that occur during activation and allosteric modulation of a muscarinic receptors. **(10)**
- Q.3** Enlist the types and location of dopamine receptors. Explain the role of agonists and antagonists of dopamine receptors. **(10)**
- Q.4** Write notes on any **TWO** of the following: **(10)**
- a) Nitric oxide
 - b) Atrial peptides
 - c) Antioxidants

SECTION – II

- Q.5** Define apoptosis. Describe its pharmacological and clinical implications. **(10)**
- Q.6** Describe the potential of human genome mapping in drug research. **(10)**
- Q.7** What is chronopharmacology? Discuss implications of chronopharmacology in drug therapy. **(10)**
- Q.8** Write notes on any **TWO** of the following: **(10)**
- a) Cardiac remodeling
 - b) Sodium channel modulators
 - c) Mineralocorticoid receptor

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KARNAFULI- II (CBCS 2012 COURSE) : SUMMER – 2016
SUBJECT : ADVANCED PHARMACOLOGY – II

Day : *Saturday*
Date : *02-07-2016*

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

N.B.

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

SECTION – I

- Q.1** Discuss the clinical pharmacology of drugs used in the treatment of atherosclerosis. (10)
- Q.2** Discuss the clinical pharmacology of NSAID analgesics. (10)
- Q.3** Describe the clinical pharmacology of acute myocardial infarction. (10)
- Q.4** Write note on any **TWO**: (10)
- a) Opioid analgesics
 - b) Platelet activating factor
 - c) Therapeutic drug monitoring

SECTION – II

- Q.5** Discuss the clinical pharmacology of drugs used in the treatment of asthma. (10)
- Q.6** Discuss the clinical pharmacology of drugs used in the treatment of renal failure. (10)
- Q.7** Describe the toxicity and toxicity amelioration of anticancer drugs. (10)
- Q.8** Write short notes on any **TWO** of the following: (10)
- a) Resistance of antibiotics
 - b) Treatment of diabetes mellitus
 - c) Liver cirrhosis

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