

KARNAFULI - II (CBCS) (2012 COURSE) : JULY - 2013
SUBJECT : ADVANCE CORE SUBJECT - II : ADVANCED PHARMACOLOGY - II

Day : Wednesday
Date : 03/07/2013

Time : 10:00 A.M. TO 1:00 P.M.
Max. Marks : 60

N.B.

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

SECTION - I

- Q.1** Explain the necessity, essentials, organisation and applications of therapeutic drug monitoring. (10)
- Q.2** Classify angina. Describe the mechanism of action, adverse effect and uses of nitrates. (10)
- Q.3** Classify analgesics. Describe the pharmacological actions, adverse effects and uses of morphine. (10)
- Q.4** Write elaborate notes on: (10)
- a) Treatment of HIV infection
 - b) Immunosuppressants

SECTION - II

- Q.5** Write a note on clinical pharmacology of drugs used in treatment of vomiting. (10)
- Q.6** Explain the clinical pharmacology of drugs used in acute and chronic renal failure. (10)
- Q.7** Explain the clinical pharmacology, preparations and adverse effects of insulin. (10)
- Q.8** Write elaborate notes on (10)
- a) General guideline of rational use of antibiotics
 - b) Resistance to antibiotics.

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KARNAFULI-II (CBCS) (2012 COURSE): JULY – 2013
SUBJECT: ADVANCED CORE SUBJECT-III: ADVANCED PHARMACOLOGY-III

Day : Friday
Date : 05/07/2013

Time : 10:00 A.M. TO 1:00 P.M.
Max.Marks : 60

N.B. :

- 1) Answer **Any THREE** questions from Section-I and **Any Three** questions from Section-II.
- 2) Answers to the two sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.

SECTION-I

- Q.1** Discuss the molecular mechanisms of drug action. (10)
- Q.2** Discuss about Cox-2 regulators and their role in inflammation. (10)
- Q.3** Describe the recent trends in GABA receptors and drugs acting on them. (10)
- Q.4** Describe the recent trends on Histamine receptor and drugs acting on them. (10)

SECTION-II

- Q.5** Describe the recent trends in Androgen receptors. (10)
- Q.6** Describe the recent trends in Calcium channel receptors. (10)
- Q.7** Discuss about human genome mapping and its potential in drug research. (10)
- Q.8** Discuss the pharmacological and clinical implications of Apoptosis. (10)

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