

PARANA/KARNAFULI – II (CBCS 2012 COURSE) : SUMMER – 2016
SUBJECT : ELECTIVE – III : PHARMACOKINETICS & THERAPEUTIC DRUG
MONITORING

Day : *Saturday*
Date : *09-07-2016*

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) 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 the role of metabolism in therapeutic drug monitoring. (10)
- Q.2 Explain in detail the necessity of and criteria for therapeutic drug monitoring. (10)
- Q.3 Explain in detail the designing of dosage regimen for therapeutic drug monitoring. (10)
- Q.4 Write notes on any **TWO** of the following: (10)
- a) Therapeutic Index and its importance
 - b) Drug interactions
 - c) Bioavailability

SECTION – II

- Q.5 Elaborate on use of HPLC in therapeutic monitoring of drugs. (10)
- Q.6 Explain organization of therapeutic drug monitoring in a hospital. (10)
- Q.7 Explain the therapeutic drug monitoring of Phenytoin with a suitable case study. (10)
- Q.8 Write notes on any **TWO** of the following: (10)
- a) Digoxin
 - b) Theophylline
 - c) Valproic acid

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