

M.D. (PHARMACOLOGY) : SUMMER - 2018

**SUBJECT: PAPER – I: GENERAL PHARMACOLOGY, EXPERIMENTAL
EVALUATION AND BIOSTATISTICS**

Day: **Saturday**
Date: **02/06/2018**

S-2018-3403

Time: **2.00 P.M. TO 5.00 P.M**
Max. Marks: 100

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
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Q.1 Define pharmacogenomics. Give examples of genetic defects leading to (15)
variation in responses.

Q.2 Describe experimental evaluation of anti-ulcer agents. (15)

Q.3 Write any **SEVEN** of the following: (70)

- a) Sample size estimation in clinical research
- b) Need of prodrugs with examples
- c) Irrational fixed drug combinations
- d) Drug antagonism
- e) Drugs interacting with transporter proteins of metabolites or ions
- f) Pharmacokinetic drug interactions and their clinical importance
- g) Antibiotic stewardship
- h) CPCSEA guidelines for Institutional Animal Ethics Committee composition and functions

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