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MANIPAL UNIVERSITY

FIRST YEAR M. PHARM. DEGREE EXAMINATION - JULY 2017
SUBJECT: CLINICAL PHARMACOKINETICS, TOXICOLOGY AND BIostatISTICS (PPR
605T)
(SPECIALIZATION: PHARMACY PRACTICE)
(2014 REGULATION)
Wednesday, July 26, 2017 (10.00 - 13.00 Hrs.)

Marks: 100

Duration: 180 mins.

Answer ALL the questions:

- 1) With the help of a neat diagram discuss the characteristics of normal distribution. With the help of a suitable example describe the calculation of Paired t-test. (10)
- 2) What are the different methods available for the analysis of correlation? With the help of a suitable example describe the calculation of Pearson Product-Moment Correlation. (10)
- 3) Define drug metabolism. Discuss the different factors affecting drug metabolism. (10)
- 4) Explain the smoking cessation programme. (10)
- 5) Explain the role of different study designs in bioavailability studies. (10)
- 6) Explain the management of methanol poisoning. (10)
- 7) Explain the different application of therapeutic drug monitoring. (10)
- 8) Explain the management of snake bite poisoning. (10)

9. Write short notes on:

- 9A) Confidence intervals and its interpretation. (5)
- 9B) Active transport in absorption. (5)

10. Write briefly on the following:

- 10A) Half-life of drug. (5)
- 10B) Protein binding. (5)