

Ph.D. Course Work (Aug, 2022)
CTS.PHD-104 Elective Paper: CLINICAL PHARMACOLOGY
CLINICAL PHARMACOLOGY

Time: Three Hours

Maximum Marks: 100

(Write your Roll No. at the top immediately on receipt of this question paper)
Answer ALL questions. All parts of a question must be answered in continuation. Start answering each question on a new page. Cite examples and draw labeled diagrams.

Q1. Short Answer Type; attempt any 10 (not more than half page) 10×2=20

- i) GLP.
- ii) GCLP.
- iii) Essential medicines
- iv) Surrogate markers
- v) Diagnostic markers
- vi) Drug utilization review
- vii) Incidence rate
- viii) Prevalence rate
- ix) Odds ratio
- x) DALY
- xi) Indirect cost of treatment
- xii) Inclusion Criteria
- xiii) Personalised medicine
- xiv) Case reports
- xv) diabetic markers (any 3)

Q2. Short note type; Attempt any 04 (not more than two pages) 4×5=20

1. **Discuss** the points considered in prescribing for breast feeding women?
2. **Discuss the** importance of therapeutic drug monitoring in Clinical Pharmacology?
3. Write down about the Indian list of essential medicines?
4. Write down about pharmacoepidemiology and its significance?
5. Write down about different types of biomarkers.
6. Importance of GCLP in Pharmacology experimentation?

Q3. Long note type (no limit of pages) 3×20=60

1. Discuss TDM process of any two narrow therapeutic index drugs?

OR

Discuss the clinical points to be considered before prescribing medicines for children ?

2. Discuss drug utilization studies and its impact on rational drug use?

OR

Discuss with example genetic variation in response to drugs. Explain importance of Pharmacogenomics for understanding variation in response?

3. Discuss Biomarker development process and explain use of biomarkers in clinical pharmacology.

OR

Discuss CNS biomarkers and their importance in clinical practice?
