

**SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)**

**(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.**

M.Sc.- END SEMESTER EXAMINATIONS APRIL - 2022

SEMESTER - IV

20PBSCT4011 - Clinical Trials and Epidemiology

Total Duration : 3 Hrs.

Total Marks : 60

Section A

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Discuss in detail the need and ethics of clinical trials.
2. Describe methods of randomization.
3. Explain the method for the dichotomous response variable.
4. Write short notes on epidemiology measures.
5. Discuss observational and experimental studies.
6. Write short notes on the cross over design and hybrid design.
7. Explain the conduct of double-blind trials.
8. Write short notes on cross-sectional studies and cohort studies.

Section B

Part A

Answer any **TWO** questions ($2 \times 10 = 20$ Marks)

9. Explain in detail the evaluation of patients' responses, follow up studies and GCP/ICH guidelines.
10. Describe statistical methods for determining trial size.
11. Explain the causation pie-Hill's Bradford model.
12. Discuss in detail the planning and epidemiological project.

Part B

Compulsory question ($1 \times 10 = 10$ Marks)

13. Explain phases of clinical trials.
