

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.Biostatistics - END SEMESTER EXAMINATIONS APRIL - 2024

SEMESTER - IV

20PBSCT4011 - Clinical Trials And Epidemiology

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

Section B

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

1. Explain key elements of a clinical research protocol.
2. Write a short note on cross over design and its advantages.
3. Describe the method of unequal randomization.
4. Differentiate single blind and double blind trials.
5. Write briefly about incidence and prevalence.
6. Write a note on guidelines of causation.
7. What are the epidemiological studies.
8. Explain observational study in detail.

Section C

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

9. Highlight the ethics and need of clinical trials.
10. Describe the four phase of a clinical trial.
11. Discuss double blind trails with suitable example.
12. Explain Hill's Bradford model.

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

13. (i) Describe Ecological studies and cross - Sectional Studies.
(ii) Compare Field trials and Community trials.
