

Department of Technology
Savitribai Phule Pune University

**Name of course - Post Graduate Diploma Clinical Data Management
and Pharmacovigilance 2023-2024**

Syllabus for Entrance Examination

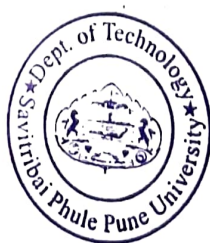
Part – A

General Aptitude

- Test of Reasoning
- Verbal Analogies
- Numerical Ability
- English Grammar
- Verbal Deductions
- Word Groups
- Structural Orientation

Section B:-

1. Basic Biology, Physics and Chemistry (General Science):- Structure and properties of water. Ion product of water. Buffers, pH, pK and pI. Basic concepts on Molarity, Molality and Normality. Mean, Mode, Median, Standard deviation, Standard error and probability. Basics of computer sciences and its applications to biology
2. Clinical Pharmacology- Orphan drugs, Essential Drugs, Prescription Drugs, Non-prescription Drugs, Drug Nomenclature.
3. Microbiology, biochemistry, biotechnology- Structure and organization of microbial cells, Microbial growth and Transformation,. Antimicrobial agents. Drug resistance. Enzymology. scope of microbiology, Microbial genetics and variation, Control of microbes by physical and chemical methods, Disinfection, antiseptics and Sterilization. Immunology. Metabolism: Carbohydrate, Lipids, amino acids and nucleotides. Glycolysis, TCA cycle, Urea cycle, Gluconeogenesis. Bio-molecules: Carbohydrates, Lipids, Proteins, Vitamins and nucleic acids. Cell biology.
4. Basics of Computers:- Input-Process-Output Model, Characteristics of Computer, Advantages & Disadvantages of Using Computer and Booting.



Head
Department of Technology
Savitribai Phule Pune University
Pune - 411 007.