

PACIFIC MEDICAL UNIVERSITY

Bhillo Ka Bedla, Pratap Pura, Udaipur(Rajasthan)-313001

PMCH Ph.D. ADMISSION TEST 2019

SYLLABUS MICROBIOLOGY

Teaching Aptitude

Teaching: Nature, objective, characteristics and basic requirements;
Learner's characteristics;
Factor affecting teaching;
Teaching aids;
Evaluation system;

Research Aptitude

Research: Meaning, characteristics and types;
Steps of research
Methods of research
Research Ethics
Paper, article, workshop, seminar, conference and symposium
Thesis writing: its characteristics and format

Reading Comprehension

A passage to be set with questions to be answered

Communication

Communication: Nature, characteristics, types, barriers and effective classroom communication.

Reasoning (Including Mathematical)

Number series; letter series; codes;
Relationship; classification

Logical Reasoning

Understanding the structure of arguments;
Evaluation and distinguishing deductive and inductive reasoning; Verbal analogies: Word analogy- Applied analogy;
Verbal classification
Reasoning Logical Diagram: simple diagrammatic relationship, multi diagrammatic relationship; Venn diagram; Analytical Reasoning.

Data Interpretation

Sources, acquisition and interpretation of data;
Quantitative and qualitative data;
Graphical representation and mapping of data;

Information and Communication Technology (ICT)

ICT: meaning, advantages, disadvantages and uses;
General abbreviation and terminology;
Basics of internet and e-mailing

Note: Each section gets equal weightage: five questions from each section.

PACIFIC MEDICAL COLLEGE & HOSPITAL

Bhillo Ka Bedla, Pratap Pura, Udaipur(Rajasthan)-313001

Phone: 0294-3920000

Ph.D. ADMISSION TEST 2019

SYLLABUS

Microbiology

1. Applied Medical sciences viz. Epidemicology and Pathology of infections, diseases related Haematology and Medicine.
2. General & Systemic Bacteriology.
3. Mycology, Protozoology and Helminthology.
4. Immunology including blood banking and Virology.
5. advance microbiology (molecular microbiology)