

University of Pune

Ph.D. Entrance Examination and Course work in Microbiology

I] Ph.D. Entrance Examination in Microbiology

A] General Structure of the Entrance examination :

Paper	Time in minutes	Nature of questions	Total Marks
Paper I General Aptitude	60	MCQs	100
Paper II Subject Paper	120	Objective & Descriptive	100
Interview	--	--	50

B] Syllabus for Paper I (General Aptitude):

Common for all faculties. 50 % passing (5% relaxation for reserved category). Paper I would be a qualifying exam only.

Syllabus for Paper II (Microbiology):

M.Sc. Microbiology (credit based) curriculum of University of Pune (available on university website).

C] Structure of Paper II (Microbiology):

The Paper II (Microbiology) consists of two parts as follows:

Paper	Time in minutes	No. of Questions	Marks
Paper II A	20	20 (One mark each)	20
Paper II B	100	8 (Ten marks each)	80

Paper IIA- All questions compulsory. No negative marking

Paper II B- will have 15 descriptive questions. Q1. Compulsory. Students have to attempt any 7 of the remaining 14 questions.

D] Interviews

Students clearing Paper II would be called as per merit for the interviews. All students who have cleared CSIR-NET, UGC-NET, SET, ICMR, ICAR, and GATE would be exempted from Paper I and II and would appear directly for the interview. Candidates would be interviewed by a committee appointed by the University. Admissions would be given as per the number of vacancies available. The choice of research topic that the candidate wishes to work on and the available expertise and infrastructure in the Department would be considered for deciding the Ph.D. admission of the candidate. Once admitted the candidate will undergo a course work at the department.

UNIVERSITY OF PUNE
PUNE 411 007.

PH. D. MICROBIOLOGY COURSE WORK: EFFECTIVE FROM 2010

Total Credits: 20

Total Number of Units/Papers: 4 (Each paper of 5 credits)

Paper I: Research Methodology

1).....3 credits

A) Writing Research Papers

B) Writing Research Grants

2)Communication Skills.....2 credits

A) Writing Skills in English

B) Presentation Skills

Paper II: Any One of the following:.....5 credits

A) Mathematics and Biostatistics

B) Physics and Chemistry: Refreshing essential concepts for Biologists

Paper III: Data Analysis and Interpretation Skills.....5 credits

Paper IV: Review writing and Seminars

A) Review.....2 credits

B) Seminars: At least three research papers presentation....3 credits

NB:

- i. All papers are compulsory
- ii. Each paper carries 100 marks, of which 50 assigned for internal assessment and 50 for term end examination.
- iii. The A component of paper IV will be looked after by respective supervisor. Rest of the assessment will be coordinated by the Head of the Department/Director.
- iv. Passing for each paper is 50% (Separate for internal and term end examination).
- v. The Head/Director will communicate the result to the Post-graduate section.