

**UIET, MDU, Rohtak**  
**Scheme of Examination-Semester System**  
**for**  
**Pre PhD Applied Sciences(Mathematics)**  
**(w.e.f. January 2017)**

**Note: The Syllabi and Scheme of Examination of Ph.D Course Work will be the same as that for 1<sup>st</sup> Semester of M.Phil Mathematics.**

**SEMESTER-I (Total Credits:12)**

Paper	Title of the Course	Theory Marks	Internal-Assessment Marks	Total Marks	Time	Credits
17MATMP11C1	Research Methodology	80	20	100	4 Hours/ week	4
*	One paper either from Group A <sub>1</sub> or Group P <sub>1</sub>	80	20	100	4 Hours/ week	4
*	One paper either from Group A <sub>1</sub> or Group P <sub>1</sub>	80	20	100	4 Hours/ week	4
TOTAL MARKS OF SEMESTER-I				300		
*Students are required to opt courses both either from Group A or Group B						

**Group A**

17MATMP11DA1	:	Advanced Solid Mechanics
17MATMP11DA2	:	Waves and Viscoelasticity
17MATMP11DA3	:	Computational Biology
17MATMP11DA4	:	Reliability Theory
17MATMP11DA5	:	Stochastic Processes
17MATMP11DA6	:	Parametric and Non-Parametric Tests

**Group B**

17MATMP11DB1	:	Advanced Functional Analysis
17MATMP11DB2	:	Fixed Point Theory
17MATMP11DB3	:	Fuzzy Set Theory
17MATMP11DB4	:	Wavelets-I
17MATMP11DB5	:	Sobolev Spaces-I
17MATMP11DB6	:	Algebraic Coding Theory
17MATMP11DB7	:	Algebraic Number Theory

**THE STUDENTS OF THIS PROGRAM ARE ALLOWED TO CARRY OUT Pre-PhD COURSE WORK IN THE PARENT DEPARTMENT OF THE M D UNIVERSITY ROHTAK**

