

Savitribai Phule Pune University
Information to be published on the website
Admission 2018-19

Annexure A

1		Name of Department:	Department of Mathematics. More details about the department can be obtained at http://math.unipune.ac.in		
2		Courses offered:			
	a	Name of the course/s	M.A. / M.Sc. (Mathematics) M.Sc. (Industrial Mathematics with Computer Applications)		
	b	Duration of course/s	Course	Duration in years	
			1. M.A. / M.Sc. (Mathematics)	2 years	
			2. M.Sc. (Industrial Mathematics with Computer Applications)	3 years	
	c	Application fee:	Course	Open Category or Outside the state of Maharashtra in Rs	Reserved Category in Rs.
			1.M.A./M.Sc.(Mathematics)	500/-	350/-
			2. M.Sc. (Industrial Mathematics with Computer Applications)	500/-	350/-

D	Fees	Course	Unreserved Category fees(in Rs)		Reserved Category fees (in Rs.) per Semester	
			Within MH per Semester	Outside of MH per Semester	OBC	Excluding OBC
			Total	Total		
		1. M.A. / M.Sc. (Mathematics)	2874	4474	1869	864
		2.M.Sc. (Industrial Mathematic with Computer Applications)	16594	31244	1564	16594

e.	Syllabus of the course/s:	As mentioned on the website of Savitribai Phule Pune University (Department of Mathematics) http://math.unipune.ac.in			
f .	Eligibility:	Course	Qualifying Exam and Eligibility	Minimum Percentage required	
				Open	Reserved
		M.A. / M.Sc. (Mathematics)	1. M. Sc. Mathematics : Eligibility: Bachelor of Science with Mathematics Or Mathematics at least up to second year B.E./B.Tech. / B.Sc. 2. M. A. Mathematics : Eligibility: B.A. Mathematics (special or subsidiary)	50%	45%
		M.Sc. (Industrial Mathematics with Computer Applications)	3. M.Sc.:(Industrial Mathematics with Computer Applications) Eligibility: B.Sc. (Mathematics) or any Science graduate with Mathematics at least up to second year or B.C.S. / B.E. / B.Tech.	50%	45%

g.	Required documents:	<ul style="list-style-type: none"> • Attested copy of final-year mark sheet if you have already obtained your qualifying degree OR attested copy of your previous-year mark sheet, if you are appearing for the final-year exam of your qualifying degree during academic year 2017-18. • Attested copies of caste certificate and non-creamy-layer certificates as applicable. • Attested copy of domicile certificate OR certificate of SSC and HSC examinations if candidate is domicile of Maharashtra. • Medical Certificate in case of physically challenged (Minimum 40%) 	
h.	Number of Seats available:	Course	Seats
		1. M.A / M.Sc. (Mathematics)	60
		2. M.Sc (Industrial Mathematics with Computer Applications)	30

3.	Fellowships:	Besides Govt. Scholarships, Department of Mathematics offers “seven” Scholarships every year. The scholarship amount is Rs. 1000 per month for ten months.	
4.	Legal Reservations:	Category	Reservation Percentage
		SC	13%
		ST	07%
		DT(A)	03%
		NT(B)	2.5%
		NT(C)	3.5%
		NT(D)	02%
		OBC	19%
		SBC	(as per Govt. of Maharashtra rule)
5.	Social Reservations:	3% seats are reserved for physically challenged students 5% Seats are reserved for Defense Personnel’s child/Ex-Serviceman’s Child.	
		One Migrant student from Jammu & Kashmir, per course over and above the sanctioned intake capacity will be admitted as per the merit in the entrance test.	
6.	Date of Entrance Test:	10th June, 2018	
	a Examination Centers	Pune, Mumbai, Nasik, Ahmednagar, Nanded, Nagpur, Kolhapur, Jalgaon, Solapur, Kolkata, Gwalior and Chennai	
	b Model of question Paper	M.A. (Mathematics), M.Sc. (Mathematics), M.Sc. : (Industrial Mathematics with Computer Applications)	
		Nature of Questions	Objective-Type
		Number of Questions	50
		Weightage of marks	100
		Marks per question	2
		Total Marks	100
		Passing Criteria	NA

		Syllabus M.A./M.Sc	<ul style="list-style-type: none"> • Real Analysis: Metric Spaces, Sequence, Series, Continuity, Differentiability, Integrability, Connected Sets and Compact Sets • Algebra: Basic Combinatorics, Groups, Normal Subgroups, Class Equations, Sylow's Theorems, Rings, Homomorphisms, Ideals, UFD, PID, Euclidean Domains, Eisenstein's Criterion . • Complex Numbers: Arguments, Modulus, Inequalities, De-Moivre's Theorem, Applications, Analytic Functions, Complex Integrals, Singularities, Liouville's Theorem. • Differential Equations: Formation, Order, Degree, Linear Differential Equations with constant and variable coefficients, Exact Differential Equations, Integrating factors, Applications of Differential Equations. • Linear Algebra: Vector Spaces, Basis, Quotient Spaces, Linear Transforms, Matrix Algebra, Eigen values and Eigen vectors, Orthogonality, Diagonalization, Cayley-Hamilton Theorem.
		Syllabus M.Sc. (IMCA)	<ul style="list-style-type: none"> • Calculus: Limits, Continuity, Differentiability, Integrability, Maxima , Minima, Mean Value Theorem, Rolle's theorem. • Set Theory: Basic Combinatorics, Logic, Counting Principles, Relations, functions, Euclid Algorithm, Probability, . Sequences and Series, Real Numbers and Complex Numbers. • Matrix Algebra: Matrices, Determinants, Trace, Eigen values and Eigen vectors, Orthogonality, System of Linear Equations. • Discrete structures and C-Programming: Graph , Sub graph, Cycles, Connected Graph, Tree, Rooted Tree, Polish Notations, Computer Basics, Binary Numbers, Hexadecimal Numeral System, C Programming. • Aptitude: Number sequences, Fractions, Percentage, average, Ration , Proportion, Time work and Wages, Time and Distances, Clocks, Area, Volume, Profit-Loss, Simple and Compound Interest and Quantitative Data Analysis

7.	Merit List / Admission Rules:	Admission process will be carried out in accordance with Ordinance 181-A (Circular No.68/ 2014 Dated 27/03/2014)
8.	Important Dates	
a	Start date of online application:	02nd May, 2018 (Wednesday)
b	End date of Online application:	25th May, 2018 (Friday)
c	Last date of submission of application form	25th May, 2018 (Friday)
d	Date of Entrance Test:	10th June, 2018 (Sunday)
e	Time of Entrance Test:	10 am to 12 noon for M.A./M.Sc.(Mathematics) and 02 pm to 04 pm for M.Sc. (IMCA)
f	Date of declaration of result of the Entrance test:	21st June, 2018 (Thursday)
g	Date of Group Discussion /Personal Interview.	NA
h	Date of publication of merit list	One week after declaration of B.A./ B. Sc. results of Savitribai Phule Pune University
i	Date of publication of successive merit list	One week after the publication of the first list.
j	Date of admission	Within 10 days after publishing first merit list.
k	Date of Commencement of the course	As per the University directives.

9.		Department Contact Info*	* For any information on the nature, scope and prospects of the course, candidates should log into the website of the department. No direct queries/ phone calls on the pattern of the question paper will be entertained.
	A	Name of the contact persons:	Prof. V. V. Joshi and Dr. S. B. Dhotre
	B	Designation:	Professor
	C	Contact timings:	11 a.m. to 5 p.m.
	d	Telephone Number/s:	+91-20-25601356
	e	E-mail	adm_maths@unipune.ac.in or mathsppu@gmail.com
	f	Address:	Department of Mathematics, Savitribai phule Pune University, Ganeshkhind, Pune 411007, India

Legend: **NA**= Not Available

(The Department is requested to furnish this information latest by 07th April, 2018)

- Instruction- If the information is available on the university website, please mention the department website in sr. no 1.