

Savitribai Phule Pune University
Information to be published on the website
Admission 2017-18

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) (Non-Grant)			
			Course		Duration in years	
			1. M.A. / M.Sc. (Mathematics)		2 years	
			2. M.Sc. (Industrial Mathematics with Computer Applications)		3 years	
			Course	Open Category & 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		
			Total	Total	OBC	Excluding OBC
		1. M.A. / M.Sc. (Mathematics)	3064	5014	2439	539
		2. M.Sc. (Industrial Mathematic with Computer Applications)	16584	31284	SC/ ST	DT NT/OBC/SBC
					1739	16489

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 2016-17. • 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.		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.	
	Date of Entrance Test:	28th May, 2017	
	a Examination Centers	Pune, Mumbai, Nasik, Ahmednagar, Nanded, Nagpur, Kolhapur, Jalgaon, Solapur and Kolkata	
		M.A. (Mathematics), M.Sc. (Mathematics), M.Sc. : (Industrial Mathematics with Computer Applications)	
		Nature of Questions	Objective-Type & Subjective-Type
		Number and names of sections in Question paper	Section I - 25 Objective Questions Section II - 10 Subjective Questions
		Section wise weightage of marks	Section I - 50, Section II – 50
		Marks per question	Section I - 2 marks, Section II - 5 marks
		Total Marks	100
		Passing Criteria	NA
			4

			Syllabus	<ul style="list-style-type: none"> • Sets and Groups: Basic Set theory and logic, Basic Combinatorics, Counting Principles, Groups, Subgroups, Permutation groups, Normal subgroups, Homomorphisms and quotient groups. • Real Analysis: Functions, graphical representation of functions, limits, continuity, differentiability, integrability, sequences and series, metric spaces, completeness, connectedness and compactness in metric spaces. • Complex Analysis: Complex numbers, Argument, Modulus, De-Moivre's Theorem, Applications, complex differentiation, C-R equations, Elementary analytic functions, Mobius Transformation, Complex integration, Cauchy's theorem, Cauchy integral formula, Zeros, Singularities. • Linear Algebra: Vector Spaces, basis and dimension, Quotient Spaces, Rotation, reflection, translation maps in \mathbb{R}^2 and \mathbb{R}^3, Matrix and Linear Transformation, Eigenvalues and Eigenvectors, Diagonalization, Cayley-Hamilton Theorem, Inner product spaces, Orthogonal basis. • Differential Equations: Formation of differential equations, Order, Degree, Linear Differential Equations with constant and variable coefficients, Applications of Differential Equations.
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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:	17th April, 2017 (Monday)
	b End date of Online application:	15th May, 2017 (Monday)
	c Last date of submission of application form	20th May, 2017 (Saturday)
	d Date of Entrance Test:	28th May, 2017 (Sunday)
	e Time of Entrance Test:	10 am to 1 pm
	f Date of declaration of result of the Entrance test:	12th Jun, 2017 (Monday)
	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 person:	Prof. Vinayak Joshi
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