M.Sc. Mathematics (2013)

Annexure ~~VI (a)~~.

MS – VI (a)

Minutes of Board of Studies in Mathematics

The meeting of Board of Studies in Mathematics was held in the Conference Hall of Department of Mathematical Sciences on Feburary 13, 2013 wherein following members were present.

1. Prof. A. P. Singh, Central University Rajasthan, Rajasthan
2. Dr. Zaheer Abbas, Assistant Professor, Department of Mathematical Sciences (BGSBU)
3. Dr. Javid Iqbal, Assistant Professor, Department of Mathematical Sciences (BGSBU)

The meeting started with the welcome address of Dr. Zaheer Abbas (I/C Head) to all members and appreciated their support and cooperation extended to this University from time to time and readout point wise agenda of the meeting and thread bare discussion / deliberations were held on regarding formation of syllabi in M.Sc. in Mathematics and the decisions are hereby placed on record.

A. P. Singh

M.Sc. Mathematics Syllabus

BABA GHULAM SHAH BADSHAH UNIVERSITY RAJOURI (J&K)

Proposed Courses for Semester –I

Course Code	Course Name	Resolution
Semester-I		
MM-131	Applied Analysis	Compulsory course
MM-132	Techniques in Differential Equations	Compulsory course
MM-133	Real Analysis	Compulsory course
MM-134	Applied Numerical Analysis	Compulsory course
MM-135	Computer Fundamentals and C-Programming	Compulsory course
MM-136	Lab Course on MM-135	Compulsory course

A. P.

M.Sc. Mathematics

BABA GHULAM SHAH BADSHAH UNIVERSITY RAJOURI (J&K)

Proposed Courses for Semester –II

Course Code	Course Name	Resolution
Semester-II		
MM-231	Fourier Analysis and Partial Differential Equations	Compulsory course
MM-232	Numerical Linear Algebra	Compulsory course
MM-233	Functional Analysis with Applications	Compulsory course
MM-234	Abstract Algebra with Applications	Compulsory course
MM-235	Complex Analysis with Applications	Compulsory course
MM-236	MatLab	Compulsory course

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Proposed Courses for Semester –III

Course Code	Course Name	Resolution
Semester-III		
MM-331	Genseral Topology	Compulsory course
MM-332	Complex Dynamics	Compulsory course
MM-333	Lebesgue Measure and Integration Theory	Compulsory course
MM-334	Set Theory	Compulsory course
MM-335	Theory of Operators	Elective – I
MM-336	Differential Geometry	Elective –I
MM-337	Number Theory	Elective – II
MM-338	Module Theory	Elective – II

Add this note: Of the 4 elective Courses the students will be required to choose two; one out of courses 335 & 336 and the other out of courses 337 and 338.

M.Sc. Math.....

BABA GHULAM SHAH BADSHAH UNIVERSITY RAJOURI (J&K)

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Proposed Courses for Semester – IV

Course Code	Course Name	Resolution
Semester-IV		
MM-471	Dissertation/ Major Project	Compulsory course
MM-472	Technical Communication	Compulsory course
MAM-473-485	Elective-III, IV and V	
MM-473	Advanced Complex Analysis	Elective-III, IV and V
MM-474	Banach Algebras	Elective-III, IV and V
MM-475	Advanced Functional Analysis	Elective-III, IV and V
MM-476	Commutative Algebra	Elective-III, IV and V
MM-477	Advanced measure Theory	Elective-III, IV and V
MM-478	Tensor Analysis and Riemanian Geometry	Elective-III, IV and V
MM-479	Algebraic Topology	Elective-III, IV and V
MM-480	Theory of Fields	Elective-III, IV and V
MM-481	Spaces of Analytic Functions	Elective-III, IV and V
MM-482	Algebraic Geometry	Elective-III, IV and V
MM-483	Ring Theory	Elective-III, IV and V
MM-484	Selected Topics in Topology	Elective-III, IV and V
MM-485	Theory of Relativity	Elective-III, IV and V

ure:

1. Prof. A. P. Singh

2. Dr. Zaheer Abbas

3. Dr. Javid Iqbal

BABA GHULAM SHAH BADSHAH UNIVERSITY RAJOURI (J&K)

Minutes of Board of Studies in Mathematics

The meeting of Board of Studies in Mathematics was held Department of Mathematical Sciences on Feburary 23, 2017 wherein following members were present.

1. Prof. M. Mursaleen, Aligarh Muslim University, Aligarh
2. Dr. Zaheer Abbas, Head, Department of Mathematical Sciences (BGSBU)
3. Dr. Javid Iqbal, Assistant Professor, Department of Mathematical Sciences (BGSBU)
4. Mrs. Shanti Gupta, Lecturer, Department of Mathematical Sciences (BGSBU)

The meeting started with the welcome address presented by Dr. Zaheer Abbas, who appreciated the efforts of all the faculty members in the preparation / modification of the syllabi, followed by the presentation of the point wise agenda of the meeting. During the meeting, thread bare discussion / deliberations were held on regarding the modification of syllabi and the decisions are hereby placed on record.

BABA GHULAM SHAH BADSHAH UNIVERSITY RAJOURI (J&K)

Course Code	Course Name	Resolution
Semester-I		
MAM-131	Applied Analysis	BOS has proposed: the course to be renamed as Topology and its applications; the course code be changed to MS - 101; continuation of Unit I and Unit II(with minor changes) and replacement of last three units with new one's.
MAM-132	Techniques in Differential Equations	BOS has proposed the course code be changed to MS – 102 and continuation of rest of the contents.
MAM-133	Real Analysis	BOS has proposed: the course code be changed to MS - 103; continuation of the course title; continuation of Unit I and Unit II(with minor changes) and replacement of last three units with new one's.
MAM-134	Applied Numerical Analysis	BOS has proposed the course code be changed to MS – 104; and continuation of the rest of the contents except minor changes at one or two places.
MAM-135	Computer Fundamentals and C – Programming	BOS has proposed the course code be changed to MS – 105 and continuation of the rest of the contents.
MAM-136	Lab course on MAM-125	BOS has proposed: the course to be renamed as Lab course on MS -104 and MS - 105 the course code be changed to MS - 106 maximum marks be changed to 100; and continuation of the rest of the contents.

BABA GHULAM SHAH BADSHAH UNIVERSITY RAJOURI (J&K)

Course Code	Course Name	Resolution
Semester-II		
M&M-231	Fourier Analysis and Partial Differential Equations	BOS has proposed the removal of this course to provide space for the choice based elective courses, a list of which has been attached to this syllabus.
M&M-232	Numerical Linear Algebra.	BOS has proposed the course code be changed to MS - 201 and continuation of the rest of the contents except minor changes at one or two places.
M&M-233	Functional Analysis with Applications	BOS has proposed the course code be changed to MS - 202 and continuation of the rest of the contents except some changes in the unit four.
M&M-234	Abstract Algebra with Applications	BOS has proposed the course code be changed to MS – 203; continuation of the course title; continuation of unit I, II and III; some deletions in unit IV ; replacement of UNIT V with a new unit
M&M-235	Complex Analysis and Applications	BOS has proposed the course code be changed to MS – 204 and continuation of rest of the contents.
M&M-236	MATLAB	BOS has proposed the course code be changed to MS – 205; maximum marks be changed to 100 and continuation of rest of the contents with minor changes at one or two places.
		BOS has proposed the open course offered by the department for the students of other departments with title Mathematical Tools for Real World Problems.