

**Vivekanand College, Kolhapur (Autonomous)****Department of Mathematics****M. Sc. I Sem. I and M.Sc. II Sem III****Internal Examination 2020-21**

All the students of M. Sc. I Sem. I and M.Sc. II Sem III are hereby informed that their theory Internal Examination of Mathematics will be conducted in online manner (Google Forms), The google form link will be communicated on departmental Google Classroom and WhatsApp group 10 min prior to examination time. The examination will be conducted only one time, students are directed to attend the examination without fail. Syllabus for examination will be as mentioned in following table.

**Timetable**

<b>Date</b>	<b>Time</b>	<b>Class</b>	<b>Subject</b>
14/09/2020	02:00 PM to 03: 00 PM	M.Sc. I	Algebra
	02:00 PM to 03: 00 PM	M.Sc. II	Functional Analysis
15/09/2020	02:00 PM to 03: 00 PM	M.Sc. I	Advanced Calculus
	02:00 PM to 03: 00 PM	M.Sc. II	Advanced Discrete Mathematics
16/09/2020	02:00 PM to 03: 00 PM	M.Sc. I	Complex analysis
	02:00 PM to 03: 00 PM	M.Sc. II	Lattice Theory
17/09/2020	02:00 PM to 03: 00 PM	M.Sc. I	Ordinary Differential Equation
	02:00 PM to 03: 00 PM	M.Sc. II	Number theory
18/09/2020	02:00 PM to 03: 00 PM	M.Sc. I	Classical Mechanics
	02:00 PM to 03: 00 PM	M.Sc. II	Operational Research -I

**Syllabus for M. Sc. I Sem. I**

<b>Sr. No.</b>	<b>Name of Paper</b>	<b>Topics</b>
1	CP-1170A : Algebra	Unit I
2	CP-1171A: Advanced Calculus	Unit I
3	CP-1172A: Complex analysis	Unit I
4	CP-1173A: Ordinary Differential Equation	Unit I
5	CP-1174A: Classical Mechanics	Unit I



## Syllabus for M. Sc. II Sem. III

Sr. No.	Name of Paper	Topics
1	CC-1180C: Functional Analysis	Unit I
2	CC-1181C: Advanced Discrete Mathematics	Unit I
3	CBC-1182C : Lattice Theory	Unit I
4	CBC-1183C: Number theory	Unit I
5	CBC-1184C : Operational Research -I	Unit I

### Nature of question paper

**Time:-1 Hours**

**Total Marks: 30**

**Q.1) Choose the correct alternative for the following question. [05]**

**Five questions**

**Q.2) Attempt any three**

**[15]**

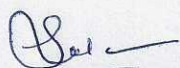
**Four questions**

**Q.3) Attempt any One**

**[10]**

**Two questions**



  
**(Prof. S. P. Patankar)**  
**HEAD**  
Department of Mathematics  
Vivekanand College, Kolhapur



Date: 04/03/2021

Vivekanand College, Kolhapur (Autonomous)

Department of Mathematics

M. Sc. I Sem II and M.Sc. II Sem IV

Internal Examination 2020-21

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### Syllabus for M. Sc. I Sem. II

Sr. No.	Name of Paper	Topics
1	Linear Algebra (CP-1175B)	Unit I
2	Integral Equation (CP-1176B)	Unit I
3	General Topology (CP-1177B)	Unit I
4	Partial Differential Equations (CP-1178B)	Unit I
5	DSE13MAT11: Operational Research	Unit I

### Syllabus for M. Sc. II Sem. IV

Sr. No.	Name of Paper	Topics
1	Field Theory (CP-1190D)	Unit I
2	Integral Equation (CP-1191D)	Unit I
3	Algebraic Number Theory (CP-1192D)	Unit I
4	Operational Research II(CP-1194D)	Unit I
5	Combinatorics (CP-1198D)	Unit I



## Timetable

Date	Time	Class	Subject
15/03/2021	03:00 PM to 04: 00 PM	M.Sc. I	Linear Algebra (CP-1175B)
	03:00 PM to 04: 00 PM	M.Sc. II	Field Theory (CP-1190D)
16/03/2021	03:00 PM to 04: 00 PM	M.Sc. I	Integral Equation (CP-1176B)
	03:00 PM to 04: 00 PM	M.Sc. II	Integral Equation (CP-1191D)
17/03/2021	03:00 PM to 04: 00 PM	M.Sc. I	General Topology (CP-1177B)
	03:00 PM to 04: 00 PM	M.Sc. II	Algebraic Number Theory (CP-1192D)
18/03/2021	03:00 PM to 04: 00 PM	M.Sc. I	Partial Differential Equations (CP-1178B)
	03:00 PM to 04: 00 PM	M.Sc. II	Operational Research II(CP-1194D)
19/03/2021	03:00 PM to 04: 00 PM	M.Sc. I	Numerical Analysis (CP-1179B)
	03:00 PM to 04: 00 PM	M.Sc. II	Combinatorics (CP-1198D)

### Nature of question paper

**Time:-1 Hours**

**Total Marks: 30**

**Q.1) Choose the correct alternative for the following question. [05]**

**Five questions**

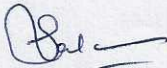
**Q.2) Attempt any three [15]**

**Four questions**

**Q.3) Attempt any One [10]**

**Two questions**



  
(Prof. S. P. Patankar)  
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