

Janki Devi Bajaj Govt. Girls College, Kota
Teaching Plan
Department of Mathematics
Session - 2022-23

July:-

- 1- Orientation of newly admitted girls.
- 2- Brief introduction of the syllabus, paper outline, and discussion about practicals, basic morals in class rooms and for computer lab and reference books for each paper.
- 3- Theory and practical instructions for:
 - B.Sc. Part-I:- Dr. Annu Banshiwal
 - B.Sc. Part-II:-Dr. Annu Banshiwal
 - B.Sc. Part-III:-Dr. Annu Banshiwal
 - B.Sc. Part-III (Practical):-Computer faculty
 - M.Sc. (I & III Sem) (SFS):- Dr. Annu Banshiwal, Guest Faculty 1 and Guest faculty 2

| S. No. | Class | Paper | Unit |
|--------|----------------------------------|---------------------------------------------------------------------|------|
| 1. | B.Sc. Part II, B.Sc. Part III | II:- Differential equation I:- linear algebra & complex Analysis | I |
| 2. | M.Sc. (Sem. III) | I, III, IV | I |

August:-

- 1- Unit wise distribution of syllabus

| S. No. | Class | Paper | Unit |
|--------|----------------|----------------------------------------|---------|
| 1. | B.Sc. Pt I | I:- Number theory and Abstract Algebra | I, II |
| 2. | B.Sc. Pt II | II:- Differential equation | II, III |
| 3. | B.Sc. Pt III | I:- Linear Algebra & Complex Analysis | II, III |
| 4. | M.Sc. Sem. I | I, II | I, II |
| 5. | M.Sc. Sem. III | I, III, IV | II, III |

- 2- Theory and practical instructions for:

- B.Sc. Part-I:- Dr. Annu Banshiwal
- B.Sc. Part-II:-Dr. Annu Banshiwal
- B.Sc. Part-III:-Dr. Annu Banshiwal
- B.Sc. Part-III (Practical):-Computer faculty

M.Sc. (I & III Sem) (SFS):- Dr. Annu Banshiwal, Guest Faculty 1 and Guest faculty 2

- 3- 1st Monthly Test or Assignments.

September:-

1- Unit wise distribution of syllabus

| S. No. | Class | Paper | Unit |
|--------|----------------|-------------------------------------------------------------------------|--------------|
| 1. | B.Sc. Pt I | I:-Number theory and Abstract Algebra II:- Advanced Calculus | III, I |
| 2. | B.Sc. Pt II | II:- Differential equation I:- Real Analysis & theory of convergence | III, IV I |
| 3. | B.Sc. Pt III | I:- linear algebra III:- Numerical Analysis & C Programming | III, IV I |
| 4. | M.Sc. Sem. I | I, II | III, IV |
| 5. | M.Sc. Sem. III | Paper - I, III, IV Paper - II, V | IV, V I |

2- IInd Monthly Test or Assignment or unsolved question banks of relevant unit.3- 1st Mid-Term test for M.Sc. (Sem. I and III) students.**October:-**

1- Unit wise distribution of syllabus

| S. No. | Class | Paper | Unit |
|--------|----------------|-----------------------------------------------------------------------|---------------|
| 1. | B.Sc. Pt I | I:- Number theory and Abstract Algebra II :- Advanced Calculus | IV II, III |
| 2. | B.Sc. Pt II | II:-Differential equation I:- Real Analysis& theory of convergence | V II |
| 3. | B.Sc. Pt III | I:- linear algebra III:- Numerical Analysis & C Programming | IV II |
| 4. | M.Sc. Sem. I | I, II III, IV | V I, II |
| 5. | M.Sc. Sem. III | Paper - II, V | II, III |

2- IIIrd Monthly Test

3- Batch wise computer Practicals start for B.Sc. Part-III

November:-

I-Unit wise distribution of syllabus

| S. No | Class | Paper | Unit |
|-------|----------------|---------------------------------------------------------------------------------|--------------|
| 1. | B.Sc. Pt I | I:- Number theory and Abstract Algebra II :- Advanced Calculus Practicals | V III, IV |
| 2. | B.Sc. Pt II | I:- Real Analysis & theory of convergence Practicals | III |
| 3. | B.Sc. Pt III | I:- linear algebra III:- Numerical Analysis & C Programming | V III |
| 4. | M.Sc. Sem. I | III, IV | III, IV |
| 5. | M.Sc. Sem. III | Paper-II, V | IV, V |

2- IV Monthly Test or unsolved question banks of relevant unit.

3- 2nd Mid Term test for M.Sc. (Sem. I and III) students.

4- Batch-wise computer Practical for B.Sc. Part-III

5- UG and PG association organizes the Higher education or Career opportunities seminar.

December:-

I-Unit wise distribution of syllabus

| S.No. | Class | Paper | Unit |
|-------|----------------|----------------------------------------------------------------------------------------------------|----------|
| 1. | B.Sc. Pt I | II:- Advanced Calculus Practicals | IV, V |
| 2. | B.Sc. Pt II | I:- Real Analysis & theory of convergence III:- Mechanics Practicals | IV I |
| 3. | B.Sc. Pt III | III:- Numerical Analysis & C Programming II:- Mathematical Statistics and linear Programming | IV IV |
| 4. | M.Sc. Sem. I | III, IV Semester Exams | V |
| 5. | M.Sc. Sem. III | Paper-II, V | V |

2- V Monthly Test or unsolved question banks of relevant unit.

3- Problem-solving or Extra class before the final semester exam.

4- National Mathematics Day celebration on 22 Dec, (Poster competition quiz competition).

January:-

- 1-Unit wise distribution of syllabus
 2- Brief introduction of the syllabus. Paper options for M.Sc. II and IV Sem.

| S.No. | Class | Paper | Unit |
|-------|---------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|
| 1. | B.Sc. Pt I | III:- Vector calculus and Coordinate geometry II:- Advanced Calculus Practicals | I, II V |
| 2. | B.Sc. Pt II | I:- Real Analysis & theory of convergence III:- Mechanics Practicals | V II, III |
| 3. | B.Sc. Pt III | III:- Numerical Analysis & C Programming II:- Mathematical Statistics and linear Programming C-Programming Practical | V V, I |
| 4. | M.Sc. Sem. II | I, II | I, II |
| 5. | M.Sc. Sem. IV | I, III | I, II, III |

- 2- IV Monthly Test or unsolved question banks of relevant unit.
 3- Batch-wise computer Practical for B.Sc. Part-III.

February:-

- 1-Unit wise distribution of syllabus

| S.No. | Class | Paper | Unit |
|-------|---------------|-----------------------------------------------------------------------------------|---------------|
| 1. | B.Sc. Pt I | III:- Vector calculus and Coordinate geometry Practicals | III, IV, V |
| 2. | B.Sc. Pt II | III:- Mechanics Practicals | IV, V |
| 3. | B.Sc. Pt III | II:- Mathematical Statistics and linear Programming C-Programming Practical | II, III |
| 4. | M.Sc. Sem. II | Paper-I, II | III, IV, V |
| 5. | M.Sc. Sem. IV | Paper – I, III, | III, IV, V |

- 2- Problem-solving extra class for B.Sc. part-I, II, and III students.

March:-

1-Unit wise distribution of syllabus

| S. No | Class | Paper | Unit |
|-------|---------------|-----------------------------|------------|
| 1. | B.Sc. Pt I | PRACTICAL EXAMS/ FINAL EXAM | |
| 2. | B.Sc. Pt II | | |
| 3. | B.Sc. Pt III | | |
| 4. | M.Sc. Sem. II | III, IV | I, II |
| 5. | M.Sc. Sem. IV | Paper-II, IV, V | I, II, III |

2- UG and PG association organizes the Seminar Presentation for PG students

3- 1st Mid -Term test for M.Sc. (Sem. II and IV) students.

4- Problem-solving extra class for B.Sc. part-I, II, and III students.

April:-

1-Unit wise distribution of syllabus

| S.No. | Class | Paper | Unit |
|-------|---------------|-----------------|---------|
| 1. | B.Sc. Pt I | FINAL EXAMS | |
| 2. | B.Sc. Pt II | | |
| 3. | B.Sc. Pt III | | |
| 4. | M.Sc. Sem. II | III, IV | III, IV |
| 5. | M.Sc. Sem. IV | Paper-II, IV, V | III, IV |

May:-

1-Unit wise distribution of syllabus

| S. No. | Class | Paper | Unit |
|--------|---------------|-----------------|-------|
| 1. | B.Sc. Pt I | SESSION END | |
| 2. | B.Sc. Pt II | | |
| 3. | B.Sc. Pt III | | |
| 4. | M.Sc. Sem. II | III, IV | IV, V |
| 5. | M.Sc. Sem. IV | Paper-II, IV, V | IV, V |

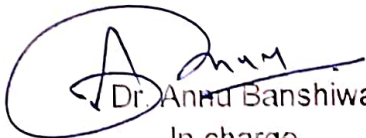
2- 2nd Mid -Term test for M.Sc. (Sem. II and IV) students.

3. Problem-solving extra class for M.Sc. (Sem. II and IV) students.

June:-

1-Unit wise distribution of syllabus

| S.No. | Class | Paper | Unit |
|-------|---------------|---------------------|------|
| 1. | B.Sc. Pt I | SESSION END | |
| 2. | B.Sc. Pt II | | |
| 3. | B.Sc. Pt III | | |
| 4. | M.Sc. Sem. II | FINAL SEMESTER EXAM | |
| 5. | M.Sc. Sem. IV | | |


Dr. Annu Banshiwal
In charge

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