

# JANKI DEVI BAJAJ GOVERNMENT GIRLS COLLEGE, KOTA

## List of Seminar/ Presentation

### M. Sc. (Botany)

*Seminar Topics*

J.D.B.Govt.Girls College Kota  
M.Sc. I Semester Botany 2021-2022  
Assesment

| S.No | Name of Students    | Signature                                   |
|------|---------------------|---|
| 1    | Anjali Meena        | Enzyme                                      |
| 2    | Ankita Malav        | Disease of wheat                            |
| 3    | Antima Maretha      | Antibody                                    |
| 4    | Ayushi Rathore      | Allergy                                     |
| 5    | Charul Arora        | ABSENT                                      |
| 6    | Cheshta Khinchi     | Economic Importance of Gymnosperm           |
| 7    | Cheshta Saxena      | Transpiration                               |
| 8    | Chhavi Joshi        | Economic Imp. of Algae or dev. of transpor  |
| 9    | Divya Gupta         | Role of Biotechnology in Plant Pathology    |
| 10   | Divya Jain          | Heterospory and Origin of seed habit        |
| 11   | Kiran Kumari Malav  | Disease of Bajra                            |
| 12   | Honey Badania       | ABSENT                                      |
| 13   | Jyotsna Shakyawal   | Cyanobacteria                               |
| 14   | Kajal Singh         | Biopesticides                               |
| 15   | Khushboo Meena      | Life cycle of Bryophyta                     |
| 16   | Kritika Vaishnav    | ABSENT                                      |
| 17   | Mithlesh Suman      | Geological time scale                       |
| 18   | Monika Meena        | ABSENT                                      |
| 19   | Nikita Kumari Meena | ABSENT                                      |
| 20   | Nisha Verma         | Types of Fossils                            |
| 21   | Pallavi Buliwal     | General char of Pteridophyta and life cycle |
| 22   | Pooja Jha           | Photosynthesis at fern                      |
| 23   | Priyanka Nagar      | Protein str. & function                     |
| 24   | Riya Gocher         | Nitrogen fixation                           |
| 25   | Ruby Mehta          | Economic Imp. of fungi                      |
| 26   | Saman Khan          | Disease of Guava                            |
| 27   | Sangeeta nagar      | Plant Growth Regulators → Auxin             |
| 28   | Sofiya Khan         | CAM Pathway                                 |
| 29   | Srishti Verma       | Virus                                       |
| 30   | Usha Kiran          | General characters of fungi                 |
| 31   | Vandana Shakyawal   | Wilt of Cotton                              |

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## J.D.B.Govt.Girls College ,Kota

M.Sc.II Semester Botany 2021-2022

Internal Assesment ( Seminar )

| S.No. | Name               | Topics for Seminar                   |
|-------|--------------------|--------------------------------------|
| 1     | Anjali Meena       | Vegetation Patterns of the world.    |
| 2     | Ankita Malav       | Analysis of Community                |
| 3     | Antima Maretha     | Ecological Succession                |
| 4     | Ayushi Rathore     | Ecosystem Organisation               |
| 5     | Cheshta Khinchi    | Biogeochemical Cycles                |
| 6     | Cheshta Saxena     | Climate Change                       |
| 7     | Chhavi Joshi       | Carbon Sequestration                 |
| 8     | Divya Gupta        | Green Revolution                     |
| 9     | Divya Jain         | In-situ & Ex-situ Conservation       |
| 10    | Kiran Kumari Malav | DNA - Structure & Types of DNA       |
| 11    | Jyotsana Shakyawal | DNA Replication                      |
| 12    | Kajal Singh        | DNA Damage & Repair                  |
| 13    | Khushboo Meena     | Transcription                        |
| 14    | Mithlesh Suman     | Restriction Enzymes                  |
| 15    | Nisha Verma        | Protein Synthesis                    |
| 16    | Pallavi Buliwal    | Cell Cycle                           |
| 17    | Pooja Jha          | Techniques in cell Biology           |
| 18    | Priyanka Nagar     | Nucleus - structure & functions      |
| 19    | Riya Gochar        | Enzymes - structure & Mechanisms     |
| 20    | Ruby Mehta         | Carbohydrate Metabolism              |
| 21    | Saman Khan         | Structure & Synthesis of Amino Acids |
| 22    | Sangeeta Nagar     | Fatty Acid Synthesis                 |
| 23    | Sofiya Khan        | Secondary Metabolites                |
| 24    | Srishti Verma      | General Account of BSI & CSIR        |
| 25    | Usha Kiran         | World Centres of Domesticated Plants |
| 26    | Vandana Shakyawal  | RFLP & their use in Plant Breeding   |

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**J.D.B.Govt.Girls College ,Kota**  
**Department Of Botany M.Sc.Semester III 2021-2022**

**Seminar**

| S.No. | Name               | Topic Of Seminar              |
|-------|--------------------|-------------------------------|
| 1     | Aastha Meena       | Green House Gases             |
| 2     | Anam Anjum         | Pollen -Pistil Interaction    |
| 3     | Anita Gautam       | Double Fertilization          |
| 4     | Aparna Sharma      | Plant Disease Control         |
| 5     | Ayushi Meena       | Carbon Cycle                  |
| 6     | Bhagwati Malav     | Pollination                   |
| 7     | Bhawana Sharma     | Plant Bio Diversity           |
| 8     | Deepika Suman      | Plant Tissue Culture          |
| 9     | Deepu Kumari Suman | Root Development              |
| 10    | Durgesh Nandani    | Flow of Energy                |
| 11    | Fiza Khan          | Radiation Pollution           |
| 12    | Gangoure Arya      | Shoot development             |
| 13    | Himanshi Nagar     | Water Pollution               |
| 14    | Kiran Malav        | Ozone Depletion and Acid Rain |
| 15    | Laad Bai           | ABSENT                        |
| 16    | Nikki Hada         | DNA Packaging                 |
| 17    | Nikita suman       | Anti Body                     |
| 18    | Priyanka Meena     | Ecosystem                     |
| 19    | Pooja Sanwariya    | Phyllotaxy                    |
| 20    | Raina Prajapati    | National Parks Of India       |
| 21    | Rashika Shukla     | Global Warming                |
| 22    | Sadhana Malav      | Herbarium Techniques          |
| 23    | Shaijal Khan       | Palaeo Botany                 |
| 24    | Suman Gocher       | Solid Waste Management        |
| 25    | Surbhi Singh       | Angiosperms                   |

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## J.D.B.Govt.Girls College ,Kota

M.Sc.IV Semester Botany 2021-2022  
Internal Assesment ( Seminar )

| S.No. | Name               | Topics for Seminar                |
|-------|--------------------|-----------------------------------|
| 1     | Aastha Meena       | Plant Tissue Culture              |
| 2     | Anam Anjum         | Protoplast Culture                |
| 3     | Anita Gautam       | Bio reactors                      |
| 4     | Aparna Sharma      | Recombinant DNA Technology        |
| 5     | Ayushi Meena       | Gene Transfer                     |
| 6     | Bhagwati Malav     | Genomic & c-DNA Library           |
| 7     | Bhawana Sharma     | Molecular Markers                 |
| 8     | Deepika Suman      | Chi Square Test Hypothesis        |
| 9     | Deepu Kumari Suman | Canopy Architecture               |
| 10    | Durgesh Nandani    | Secondary Growth                  |
| 11    | Fiza Khan          | Seed Dormancy                     |
| 12    | Gangoure Arya      | Seed Dispersal Mechanisms         |
| 13    | Himanshi Nagar     | Plant Introduction                |
| 14    | Kiran Malav        | Plant Hybridization               |
| 15    | Nikki Hada         | Heterosis & Inbreeding Depression |
| 16    | Nikita Suman       | Symptomatology                    |
| 17    | Priyanka Meena     | Plant Disease Forecasting         |
| 18    | Pooja Sanwaria     | Bacterial Diseases of Plants      |
| 19    | Raina Prajapati    | Fungal Diseases of Plants         |
| 20    | Rashika Shukla     | Viral Diseases of Plants          |
| 21    | Sadhna Malav       | Non Pathogenic Diseases           |
| 22    | Shaijal Khan       | classification of Galls           |
| 23    | Suman Gocher       | Nematode Diseases                 |
| 24    | Surbhi Singh       | Symptoms Caused by Molluscs       |

## List of Seminar/ Presentation in M. Sc. (Physics)

JDB Govt Girls' College, Kota  
Department of Physics  
M.Sc. SEM-I, 2021-22  
Internal Assessment (Seminar)

| S.No. | Name of Student        | Topic for Seminar Presentation |
|-------|------------------------|--------------------------------|
| 1     | Himani Suryavanshi     | Lagrange's equation            |
| 2     | Anju Meena             | Lorentz transformation         |
| 3     | Archana Meena          | WKB method                     |
| 4     | Bhawana Kanwar Rajawat | Time dependant perturbation    |
| 5     | Divya Soni             | Wave Guide                     |
| 6     | Monika Agarwal         | Photodiode                     |
| 7     | Pooja Meena            | Rutherford Scattering          |
| 8     | Poorva Chouhan         | Taylor & Laurent Series        |
| 9     | Ritika Gera            | Canonical transformation       |
| 10    | Shaifali Sharma        | Action angle variable          |
| 11    | Shefreen Fatima Ansari | Four vector formulation        |

MS/M.

Head of Department

JDB Govt Girls' College, Kota

Department of Physics

M.Sc. SEM-II, 2021-22

Internal Assessment (Seminar)

| S.No. | Name of Student        | Topic for Seminar Presentation |
|-------|------------------------|--------------------------------|
| 1     | Himani Suryavanshi     | Canonical Ensemble             |
| 2     | Anju Meena             | Partition function             |
| 3     | Archana Meena          | Fermi dirac Statistics         |
| 4     | Bhawana Kanwar Rajawat | Green function                 |
| 5     | Divya Soni             | Method of Images               |
| 6     | Monika Agarwal         | Lorentz gauge                  |
| 7     | Pooja Meena            | Scattering Cross section       |
| 8     | Poorva Chouhan         | Klein-Gordon equation          |
| 9     | Ritika Gera            | Frank Condon Principle         |
| 10    | Shaifali Sharma        | Zeeman effect                  |
| 11    | Shefreen Fatima Ansari | Raman effect                   |

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Head of Department

**JDB Govt Girls' College, Kota**  
**Department of Physics**  
**M.Sc. SEM-III, 2021-22**  
**Internal Assessment (Seminar)**

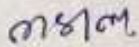
| S.No. | Name of Student     | Topic for Seminar Presentation |
|-------|---------------------|--------------------------------|
| 1     | Alka Verma          | Semi-empirical Mass formula    |
| 2     | Gayatri Suwalaka    | Neutron - Proton Scattering    |
| 3     | Ishika Gupta        | Compton Scattering             |
| 4     | Pratishtha Suwalaka | Kramer-Kronig Relation         |
| 5     | Sapna Choudhary     | Plasma Dispersion              |
| 6     | Sectal Sisodia      | Lienard - Wiechert Potential   |
| 7     | Shivani Gautam      | De Haas-van Alfen effect       |
| 8     | Swarna Agarwal      | BCS Theory of Superconductors  |
| 9     | Vishaka Sisodia     | LCAO Method                    |

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Head of Department

**JDB Govt Girls' College, Kota**  
**Department of Physics**  
**M.Sc. SEM-IV, 2021-22**  
**Internal Assessment (Seminar)**

| S.No. | Name of Student     | Topic for Seminar Presentation |
|-------|---------------------|--------------------------------|
| 1     | Alka Verma          | Nuclear Shell Model            |
| 2     | Gayatri Suwalaka    | Piezoelectricity               |
| 3     | Ishika Gupta        | Vacuum Techniques              |
| 4     | Pratishtha Suwalaka | SEM & TEM                      |
| 5     | Sapna Choudhary     | Population Inversion           |
| 6     | Seetal Sisodia      | Holography                     |
| 7     | Shivani Gautam      | Parametric Amplifier           |
| 8     | Swarna Agarwal      | Smith Chart                    |
| 9     | Vishaka Sisodia     | Microwave Filters              |

  
Head of Department



## List of seminar/ Presentation in M. Sc. (Zoology)

### JANKI DEVI BAJAJ GOVERNMENT GIRLS COLLEGE KOTA

#### M.SC. ZOOLOGY (SEMESTER-I) 2022

| S.no. | NAME                  | TOPIC                             |
|-------|-----------------------|-----------------------------------|
| 1     | AKANSHA SONI          | PLASMA MEMBRANE                   |
| 2     | AMITA GUGALIYA        | VITAMINE                          |
| 3     | ANITA MEENA           | COMPOUND MICROSCOPE               |
| 4     | ANJALI YADAV          | CHROMATOGRAPHY                    |
| 5     | ANJANA NAGAR          | AMOEBOID FEEDING                  |
| 6     | ANJU KUMARI SONI      | LCOMOTION IN PROTOZOAN            |
| 7     | ANKITA JANGID         | LYSOSOME                          |
| 8     | BAZIGA ZAMIL ANSARI   | CELL WELL                         |
| 9     | FIZA KHANAM           | RIBOSOME                          |
| 10    | HARPREET KAUR         | MITOCHONDRIA                      |
| 11    | JYOTI NAGAR           | CENTRIFUGATION                    |
| 12    | KAJAL RAJORA          | REPRODUCTION IN PRTOZOANES        |
| 13    | KIRAN NAGAR           | REPRODUCTION IN PRTOZOA           |
| 14    | KOMAL GUJARS          | ENDOPLASMIC RETICULUM             |
| 15    | KUNIKA SHARMA         | MITOSIS                           |
| 16    | MANEESHA KUMARI MEENA | ADAPTIVE RADIATION                |
| 17    | NEETU MEENA           | ECOSYSTEM STABILITY               |
| 18    | NEETU NAGAR           | PROTEIN                           |
| 19    | NOREEN NAGAR          | MIMICRY                           |
| 20    | POOJA MEENA           | MEIOSIS                           |
| 21    | PREETI AKHAND         | GENETIC DRIFT & NATURAL SELECTION |
| 22    | RASHI MALAV           | GOLGI BODY                        |
| 23    | SAKSHI JAIN           | ENZYME                            |
| 24    | SHAYAM REKHA MEENA    | DNA REPLICATION                   |
| 25    | SHIVANI SUMAN         | GEOLOGICAL TIME SCALE             |
| 26    | SUCHITRA SAHU         | CILIARY MOVEMENT                  |
| 27    | SUMAN KANOJIYA        | CHROMOSOMES                       |
| 28    | TEENA GOUTAM          | AMOEBOID MOVEMENT                 |
| 29    | VARISHA KHAN          | NUCLEUS                           |
| 30    | VARTIKA SHARMA        | HORMONES                          |

*Jyoti Sathar*

# JANKI DEVI BAJAJ GOVERNMENT GIRLS COLLEGE KOTA

## M.SC. ZOOLOGY (SEMESTER-II) 2022

| S.no. | NAME                  | TOPIC  |
|-------|-----------------------|--|
| 1     | AKANSHA SONI          | IMMUNITY   |
| 2     | AMITA GUGALIYA        | BIOTECHNOLOGY IN INDUSTRY                                |
| 3     | ANITA MEENA           | IMMUNE CELL  |
| 4     | ANJALI YADAV          | BIOTECHNOLOGY IN MEDICINE                                |
| 5     | ANJANA NAGAR          | DIGESTIVE SYSTEM   |
| 6     | ANJU KUMARI SONI      | BIOREACTOR & DOWNSTREAM PROCESSING                       |
| 7     | ANKITA JANGID         | REGULATION OF RESPIRATION                                |
| 8     | BAZIGA ZAMIL ANSARI   | STRUCTURE FUNCTION OF MUSCLE FIBRE IN VERTEBRATES        |
| 9     | FIZA KHANAM           | EAR  |
| 10    | HARPREET KAUR         | PCR  |
| 11    | JYOTI NAGAR           | CARDIOVASCULAR DISEASE                                   |
| 12    | KAJAL RAJORA          | CARDIAC CYCLE  |
| 13    | KIRAN NAGAR           | DIGESTION & ABSORPTION OF FOOD IN GASTROINTESTINAL TRACT |
| 14    | KOMAL GUJARS          | RNA  |
| 15    | KUNIKA SHARMA         | ANTIBODIES   |
| 16    | MANEESHA KUMARI MEENA | VECTORS  |
| 17    | NEETU MEENA           | RESTRICTION ENZYME                                       |
| 18    | NEETU NAGAR           | IVF  |
| 19    | NOREEN NAGAR          | BIOTECHNOLOGY IN AGRICULTURE                             |
| 20    | POOJA MEENA           | WORK OF MENDEL   |
| 21    | PREETI AKHAND         | KIDNEY   |
| 22    | RASHI MALAV           | MONOHYBRID & DIHYBRID CROSS                              |
| 23    | SAKSHI JAIN           | EYE  |
| 24    | SHAYAM REKHA MEENA    | LINKAGE GROUP  |
| 25    | SHIVANI SUMAN         | LYMPHOID ORGAN   |
| 26    | SUCHITRA SAHU         | OBESITY & STARVATION                                     |
| 27    | SUMAN KANOJIYA        | GENE THERAPY   |
| 28    | TEENA GOUTAM          | LAW OF HEREDITY & THERE VARIATIONS                       |
| 29    | VARISHA KHAN          | CELL CULTURE   |
| 30    | VARTIKA SHARMA        | DNA STRUCTURE & TYPES                                    |

*Jitendra Saha*

## JANKI DEVI BAJAJ GOVERNMENT GIRLS COLLEGE KOTA

### M.SC. ZOOLOGY (SEMESTER-III) 2022

| S.N. | NAME                  | COMMON PAPER                       | SPECIAL PAPER                              |
|------|-----------------------|------------------------------------|--|
| 1    | SWASTHI<br>CHODHARY   | EVOLUTION OF MAN                   | MAJOR FOREST TYPES OF INDIA                |
| 2    | JOYA PRAVEEN          | FOOD WEBS AND FOOD CHAINS          | MAMMALIAN SKIN AND ITS DERIVATIVES         |
| 3    | JYOTI SAINI           | ORIGIN OF MAMMALS                  | WATERSHED MANAGEMENT                       |
| 4    | KAVITA NAGAR          | ORIGIN AND EVOLUTION OF BIRD       | MALNUTRITION                               |
| 5    | MUSKAN SHARMA         | SOCIAL LIFE OF ANIMALS             | BIOLOGY OF INDIAN LIFE                     |
| 6    | PRATIKSHA JAIN        | BIO GEOCHEMICAL CYCLE              | N-C CYCLE                                  |
| 7    | RAKSHA PARETA         | FOSSIL                             | FOREST PROTECTION                          |
| 8    | RASHI GAUTAM          | LIMITING FACTOR                    | SNAKE BITE AND FIRST-AID                   |
| 9    | RENU MEENA            | NUTRIENTS                          | WILDLIFE HEALTH MANAGEMENT                 |
| 10   | SHAHISTA<br>ASHIFAQUI | DEHYDRATION                        | BIODIVERSITY                               |
| 11   | SHALU BADGUJAR        | BONY FISHES                        | A BRIEF OVERVIEW ON WILDLIFE<br>MANAGEMENT |
| 12   | SHIVANI JAGID         | POLLUTION                          | POPULATION                                 |
| 13   | SIMRAN GOUR           | ORIGIN AND ANCESTRY OF<br>REPTILES | STARVATION                                 |
| 14   | YASHODA<br>GOUSWAMI   | CLASSIFICATION OF PICES            | SILVICULTURE SYSTEM                        |

*Jyoti Saini*

# JANKI DEVI BAJAJ GOVERNMENT GIRLS COLLEGE KOTA

## M.SC. ZOOLOGY (SEMESTER-IV) 2022

| S.NO. | NAME              | COMMON PAPER                        | SPECIAL PAPER                            |
|-------|-------------------|-------------------------------------|--|
| 1     | SWASTHI CHODHARY  | INSTINCTIVE BEHAVIOUR               | REMOTE SENSING                           |
| 2     | JOYA PRAVEEN      | ECOTOURISM                          | HUMAN WILDLIFE CONFLICT                  |
| 3     | JYOTI SAINI       | REPRODUCTIVE BEHAVIOUR IN FISH      | WILDLIFE TOXICOLGY                       |
| 4     | KAVITA NAGAR      | BEHAVIOUR IN INSECTS                | CONSERVATION ETHICS AND VALUES           |
| 5     | MUSKAN SHARMA     | BEHAVIOUR OF DOMESTIC & ZOO ANIMALS | SOCIAL ORGANIZATION                      |
| 6     | PRATIKSHA JAIN    | SIGNIFICANCE OF FETILIZATION        | POACHING METHODS                         |
| 7     | RAKSHA PARETA     | BEHAVIOUR OF DOMESTIC & ZOO ANIMALS | CLASSIFICATION OF HAIR CHARACTERSTICS    |
| 8     | RASHI GAUTAM      | SPERMATOGENESIS                     | TYPES OF CONFLICT, CAUSES AND PREVENTION |
| 9     | RENU MEENA        | ORIENTATION                         | PROJECT TIGER                            |
| 10    | SHAHISTA ASHFAQUI | OOGENESIS                           | ELEPHANT WILDLIFE CONFLICT               |
| 11    | SHALU BADGUJAR    | PHEROMONES & INSECT COMMUNICATION   | ILLEGAKL WILDLIFE TRADE                  |
| 12    | SHIVANI JAGID     | LEARNING                            | PROJECT ELEPHANT                         |
| 13    | SIMRAM GOUR       | METAMORPHOSIS IN AMPHIBIA           | GROUP LIVING IN ANIMALS                  |
| 14    | YASHODA GOUSWAMI  | METHODS OF STUDYING BHAVIOUR        | CONSEQUENCES OF BIOMAGNIFICATION         |

*Jitendra Sattan*

## List of seminar/ Presentation in M. Sc. (Chemistry)

**JDB GOVERNMENT GIRLS COLLEGE, KOTA**

Department of Chemistry

M.SC I SEM.(2021-2022),PAPER I ,INORGANIC CHEMISTRY.PAPER II,ORGANIC CHEMISTRY.PAPER III,PHYSICAL CHEMISTRY

| S.NO. | NAME OF STUDENTS      | TOPIC OF SEMINAR  |
|-------|-----------------------|---|
| 1     | NIKKI KUMARI CHAURSIY | VSEPR THEORY AND ITS LIMITATION                               |
| 2     | SONAM RATHORE         | GENERAL TRENDS IN ACID BASE BEHAVIOUR OF BINARY OXIDES        |
| 3     | MONIKA PRAJAPTI       | LIMITATIONS OF CFT  |
| 4     | MEGHA PARAJAPTI       | EXPLAIN MOT   |
| 5     | MINAKSHI NIKHAR       | SYMMETRY ASPECTS OF MOLECULAR VIBRATIONS OF WATER AND AMMONIA |
| 6     | KRIKA VAISHNAV        | EXPLAIN HUCKEL'S RULE   |
| 7     | PRIYA KANWAR          | EXPLAIN ANTI AROMATICITY, HOMODAROMATICITY                    |
| 8     | ANITA MEENA           | THERMODYNAMIC AND KINETIC ASPECTS OF REACTIONS                |
| 9     | PRERNA MITTAL         | RESONANCE AND FIELD EFFECTS                                   |
| 10    | PRGYA JAIN            | TRANSITION STATE AND INTERMEDIATE                             |
| 11    | POOJA SHARMA          | TYPE OF REACTION MECHANISM                                    |
| 12    | ANJALI UPADHAYA       | STABILITY AND REACTIVITY OF CARBOCATIONS                      |
| 13    | PRIYANKA SUMAN        | STABILITY AND REACTIVITY OF CARBOANIONS                       |
| 14    | JAYA GAUR             | CLASSICAL AND NON CLASSICAL CARBOCATIONS                      |
| 15    | KAVITA KUMARI         | SCHRODINGER EQUATION  |
| 16    | ZEBA                  | DYNAMICS OF CHAIN REACTIONS                                   |
| 17    | ALFIYA                | GIBBS ADSORPTION ISOTHERM                                     |
| 18    | KOMAL MAROTHA         | SURFACE ACTIVE AGENTS AND THEIR CLASSIFICATIONS               |
| 19    | ANJALI MAHAWAR        | METHODS MOLECULAR MASS DETERMINATION                          |
| 20    | RITU                  | EXPLAIN FRIES REARRANGEMENT                                   |
| 21    | BHUVNESHWAR SHAKYAV   | MECHANISM OF REIMER-TIEMANN REACTION                          |
| 22    | SUREKHA MEENA         | QUANTATIVE TREATMENT OF REACTIVITY IN SUBSTRATS               |
| 23    | MANISHA KUMARI MEEN   | QUANTATIVE TREATMENT OF REACTIVITY IN ELECTROPHILES           |
| 24    | DAMINI MEENA          | EXPLAIN LEAVING GROUP AND REACTION MEDIUM                     |
| 25    | PRIYA GOCHER          | NEIGHBOURING GROUP PARTICIPATION BY SIGMA AND P- $\pi$ BONDS  |
| 26    | AYUSHI SHARMA         | DYNAMICS OF UNIMOLECULAR REACTIONS                            |
| 27    | YASHI GUPTA           | EXPLAIN SPECTROPHOTOMETRY AND ITS USES                        |
| 28    | ALISHA SHEIKH         | INCLUSION COMPOUND ,CATENANES                                 |
| 29    | ADITI BOHRA           | CHIRALITY DUE TO HALICAL SHAPES,INVERTOMERS EXPLAIN           |

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|----|---------------|-------------------------------------|
| 30 | MANOGYA JAIN  | EXPLAIN AMBIENT NUCELOPHILE         |
| 31 | JYOTI SHARMA  | MECHANISM OF HOUBEN HOESCH REACTION |
| 32 | TAPANSHI JAIN | DYNAMICS OF UNIMOLECULAR REACTIONS  |
| 33 | REENA SHARMA  | LAPLACE EQUATION                    |

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**JDB GOVERNMENT GIRLS COLLEGE, KOTA**  
**Department of Chemistry**

M.SC II SEM(2021-2022) PAPER I , INORGANIC CHEMISTRY. PAPER II ORGANIC CHEMISTRY. PAPER III

| S.NO. | NAME OF STUDENTS          | TOPIC OF SEMINAR   |
|-------|---------------------------|--|
| 1     | NIKKI KUMARI<br>CHAURSIYA | REACTIVITY OF METAL COMPLEXES  |
| 2     | SONAM RATHORE             | KINETIC APPLICATION OF VALANCE BOND THEORY                           |
| 3     | MONIKA PRAJAPTI           | KINETIC APPLICATION OF CFT   |
| 4     | MEGHA PARAJAPTI           | RECTIONS WITHOUT METAL LIGAND BOND CLEAVAGE                          |
| 5     | MINAKSHI NIKHAR           | SUBSTITUTION REACTION IN SQUARE PLANAR COMPLEXES                     |
| 6     | KRITIKA VAISHNAV          | CROSS REACTION ,INERSPHERE TYPE REACTION                             |
| 7     | PRIYA KANWAR              | EXPLAIN MARCUS,HUSH THEORY   |
| 8     | ANITA MEENA               | ORGE DIGRAMS FOR TRANSITION METAL CMPLXEX                            |
| 9     | PRERNA MITTAL             | MAGNETIC EXCHANGE AND COUPLING AND SPIN CROSSOVER                    |
| 10    | PRGYA JAIN                | METAL CARBONYLS OF IRON COBALT STRUCTURE AND BONDING                 |
| 11    | POOJA SHARMA              | EXPLAIN HIGHER BORANES   |
| 12    | ANJALI UPADHAYA           | METAL CARBONYLS AND HALIDE CLUSTERS                                  |
| 13    | PRIYANKA SUMAN            | TYPES OF FREE RADICAL REACTION                                       |
| 14    | JAYA GAUR                 | REACTIVITY OF ALIPHATIC AND AROMATIC SUBSTARTE AT BRIDGE HEAD CARBON |
| 15    | KAVITA KUMARI             | MECHANISM OF SANDMYER REACTION                                       |
| 16    | ZEBA                      | MECHANISM OF HUNSDICKER REACTION                                     |
| 17    | ALFIYA                    | MECHANISM AND ORIENTATION IN PYROLYTIC REACTION                      |
| 18    | KOMAL MAROTHA             | EXPLAIN RIGI AND CHIMO SELECTIVITY                                   |
| 19    | ANJALI MAHAWAR            | HYDROGENATION OF DOUBLE,TRIPLE AND AROMATIC RINGS                    |
| 20    | RITU                      | GIVE MECHANISM OF ALDOL CONDENSATION                                 |
| 21    | BHUVNESHWAR<br>SHAKYAWAL  | MECHANISM OF ROBINSON ANNULATION                                     |
| 22    | SUREKHA MEENA             | HYDROLYSIS OF ASTER AND AMIDES                                       |
| 23    | MANISHA KUMARI<br>MEENA   | PHOTOCHEMICAL REACTIONC, PRINCIPLE AND TYPE OF EXCITATION            |
| 24    | DAMINI MEENA              | INTER AND INTRA MOLCLULAR REACTION OF OLIFINIC BONDS                 |
| 25    | PRIYA GOCHER              | PHOTO REDUCTION ,PHOTO FRIES REARRANGEMENT                           |
| 26    | AYUSHI SHARMA             | CYCLOHEXANONES AND CYCLOHEXADIENONES                                 |
| 27    | YASHI GUPTA               | 3,3 AND 5,5 SIGMATROPIC REARRANGEMENT                                |
| 28    | ALISHA SHEIKH             | COPE AND AZCOPE REAGGANGEMENT  |
| 29    | ADITI BOHRA               | CYCLOADDITION REACTION ANTRAFACIAL AND SUPRA FACIAL                  |
| 30    | MANOGYA JAIN              | EXPLAIN LAW OF THERMODYNAMICS  |
| 31    | JYOTI SHARMA              | CONCEPT OF FUGACITY, DETERMINATION OF FUGACITY                       |
| 32    | TAPANSHI JAIN             | EXPLAIN DEBY HUCKEL THEORY   |
| 33    | REENA SHARMA              | DISTRIBUTION LAW APPLICATION METAL AND HELIUM                        |

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**JDB GOVERNMENT GIRLS COLLEGE, KOTA**

**Department of Chemistry**

| M.sc Semester III (2021-22) PAPER I(CHROMATOGRAPHY ) Paper-II, (SPECTROSCOPY), Paper-III (ORGANIC SYNTHESIS) PAPER IV(HETEROCYCLIC CHEMISTRY) |                        |  |
|---|------------------------|--|
| S. no.  | Student name           | Topic of seminar   |
| 1   | AFFEEFA ANWAR          | PRINCIPAL AND TYPES OF CHROMATOGRAPHY                        |
| 2   | ALISHA                 | MECHANISM OF SEPARATION AND TECHNIQUES INVOLVT               |
| 3   | AMISHA SHARMA          | PRINCIPAL OF PAPER CHROMATOGRAPHY                            |
| 4   | ANTIMA MEENA           | EXPLAIN SUPER CRITICAL FLUID CHROMATOGRAPHY                  |
| 5   | ASHWANI BHARGAV        | PREPARATION AND TECHNIQUES OF TLC                            |
| 6   | BHAGYSHREE JAIN        | ADVANTAGE OF HPTLC   |
| 7   | JYOTI MATANI           | PRINCIPLE AND APPLICATION FLASH CHROMATOGRAPHY               |
| 8   | KHUSHBU GOYAL          | THEORY OF CAPILLARY ELECTRO CHROMATOGRAPHY                   |
| 9   | KOMAL VERMA            | PRICIPLES OF ABSORPTION SPECTROSCOPY                         |
| 10  | MADHU YADAV            | EXPLAIN CHROMOPHORES AND AUXOCHROMES                         |
| 11  | MANISHA KUMARI MALAV   | FACTORS AFFECTINF POSITION OF UV BANDS                       |
| 12  | MEENAKSHI LAKHNOT      | QUALITATIVE AND QUANTATIVE APPLICATION OG UV SPECTROSCOPY    |
| 13  | NEHA MEENA             | EXPLAIN NMR SPECTROSCOPY                                     |
| 14  | PINKI SINGH            | APPLICATION OF C13 NMR SPECTROSCOPY                          |
| 15  | PRAMILA MALAV          | BASIC PRINCIPLE OF MASS SPECTROSCOPY                         |
| 16  | PRIYA VERMA            | INTRODUCTION,CYNTHONES AND SYNTHETIC EQUIVALENT              |
| 17  | PRIYANKA MEHTA         | REVEAL OF POLARITY ,CYCLAZITION ,EMINE SYNTEHSIS             |
| 18  | SANJANA RATHORE        | EXPLAIN ONE GROUP C-C DISCONNECTION                          |
| 19  | SHIVANI KANWAR         | EXPLAIN TWO GROUP C-C DISCONNECTION                          |
| 20  | TANU SHRINGI           | MECHANISM OF PINACOLE PINACOLONE REARRANGEMENT               |
| 21  | TEENA SEN              | EXPLAIN BENZYL BENZILIC ACID REACTION                        |
| 22  | APARAJITA KANWAR SOLAN | BENZAZIDINE REARRANGEMENT                                    |
| 23  | JYOTIKA MEENA          | CHEMICAL BEHAVIOUR CLASSIFICATION ARMATICITY IN RETRO CYCLES |
| 24  | KIRAN UMARCHIYA        | STERO ELECTRTONIC IN SATURATED SIX MEMBERED HETROCYCLES      |
| 25  | NEHA GAUR              | SYNTHESIS AND REACTION AZIRIDINES                            |
| 26  | SHIVANI AGRAWAL        | SYNTHESIS AND REACTION OF OXAZIDINES                         |
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**JDB GOVERNMENT GIRLS COLLEGE, KOTA**

**Department of Chemistry**

M.sc Semester IV (2021-22) Paper-I, (ENVIRONMENTAL CHEMISTRY) Paper-II, (RECENT METHODS OF ORGANIC SYNTHESIS), Paper-III (CHEMISTRY OF NATURAL PRODUCTS) PAPER IV(MEDICINAL CHEMISTRY)

| S. no. | Student name             | Topic of seminar  |
|--------|--------------------------|---|
| 1      | AFFEEFA ANWAR            | MAJOR SOUCES OF AIR POLLUTION                                 |
| 2      | ALISHA                   | DISCUSS SMOG FORMATION AND ACID RAIN                          |
| 3      | AMISHA SHARMA            | FEEN HOUSE EFFECT AND GLOBAL WARMING                          |
| 4      | ANTIMA MEENA             | OZONE DEPLATION,AUTOMOBILE AMITIONS                           |
| 5      | ASHWANI BHARGAV          | EXPLAIN ALTERNATIVE FUELSWITH EXAMPLES                        |
| 6      | BHAGYSHREE JAIN          | TYPES OF WATER POLLUTION AND WATER POLLUTANTS                 |
| 7      | JYOTI MATANI             | EXPLAIN BOD ,COD  |
| 8      | KHUSHBU GOYAL            | GENERAL METHODS TO CONTROL WATER POLLUTION                    |
| 9      | KOMAL VERMA              | SOIL POLLUTION BY INDUSTRIAL WASTE                            |
| 10     | MADHU YADAV              | CONTROL OF DOMESTIC AND INDUSTRIAL WASTE                      |
| 11     | MANISHA KUMARI MALAV     | EXPLAIN SOIL REMEDIATION                                      |
| 12     | MEENAKSHI LAKHNOT        | PRINCIPLE OF INDUSTRIAL WASTE MANAGEMENT                      |
| 13     | NEHA MEENA               | WASTW WATER TREATMENT AND MANAGEMENT                          |
| 14     | PINKI SINGH              | EFFECT OF RADIO ACTIVE POLLUTION ON POWER PLANTS AND POLYMERS |
| 15     | PRAMILA MALAV            | INTRODUCTION TO HOMOGENEOUS AND HETEROGENEOUS CATALYST        |
| 16     | PRIYA VERMA              | PHASE TRANSFER AND BIO CATALYST                               |
| 17     | PRIYANKA MEHTA           | TYPES AND EXAMPLE OG GREEN SOLVENT                            |
| 18     | SANJANA RATHORE          | APPLICATION OF SUPER CRITICAL LIQUIDS IN DRY CLEANING         |
| 19     | SHIVANI KANWAR           | STEROCHEMISTRY AND SYNTESIS OF CITRAL,ZERZNIOL                |
| 20     | TANU SHRINGI             | STEROCHEMISTRY AND SYNTESIS OF MENTHOL,FARNESOL               |
| 21     | TEENA SEN                | CLASSIFICATION OF HETEROCYCKLICRING BASED ON NITRIGEN         |
| 22     | APARAJITA KANWAR SOLANKI | STEROCHEMISRTRY AND SYNTHESIS OF EPHEDRINE AND EUNINE         |
| 23     | JYOTIKA MEENA            | STEROCHEMISTRY AND SYNTHESIS OF NICOTINE AND ATROPINE         |
| 24     | KIRAN UMARCHIYA          | DRUG DESIGNING AND ITS DEVOLPEMENT                            |
| 25     | NEHA GAUR                | EXPLAIN PHARMACO KINETICS                                     |
| 26     | SHIVANI AGRAWAL          | EXPLAIN PHARMACO DYNAMICS                                     |
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**प्राचार्य**  
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