

Topics for Poster competition BCA - Sem I

1. Role of computers in daily life
2. Cloud Computing: What it is and How it works
3. Green Computing: How to make your computer Eco-friendly

Department of Geology

Govt. College Kota

Subject - Geology

≡ Topics for chart/poster/Models :-

B.Sc. part-III -

- (i) Geological time scale chart.
- (ii) Stratigraphic map of Rajasthan (chart)
- (iii) Morphology of Trilobite (chart)

B.Sc. Sem-I

- (i) Internal Structure of Earth chart.
- (ii) Hydrological Cycle chart
- (iii) Types of plate boundary chart.

B.Sc. Sem-III

- (i) Geological Work of River ~~chart~~. landform chart
- (ii) Geological work of Wind landform chart
- (iii) Rock cycle chart

For Models (for All classes - III^{yr}, Sem I, Sem II)

- (i) Geological land form Model (3D)
- (ii) Active volcano Model (3D)
- (iii) Layer of soil model (3D)
- (iv) Types of plate boundary Model (3D)

GOVERNMENT COLLEGE KOTA
POSTER/MODEL/PROJECT
B.Sc PT-III (Bio)

CHEMISTRY

S. No.	TOPICS
1.	Chemical Waste management
2.	Space Pollution
3.	Green house effect
4.	Separation Techniques in Chemistry
5.	Nuclear Chemistry

BOTANY

1. Carbon/nitrogen cycle
2. Enzymes
3. Enzymes flow in an Ecosystem
4. Instruments used in biotechnology (any three)
5. Photosynthesis

ZOOLOGY

1. Electric organs in fishes
2. Pisciculture
3. Antigen and Antibody reaction
4. Metamorphosis in Frog
5. Developmental Stages of chicks

GOVERNMENT COLLEGE KOTA
POSTER/MODEL/PROJECT

B.Sc Part-III (Maths)

CHEMISTRY

S. No.	TOPICS
1.	Chemical Waste management
2.	Space Pollution
3.	Green house effect
4.	Separation Techniques in Chemistry
5.	Nuclear Chemistry

PHYSICS

1. Determination of Stefan's constant
2. Voltage Multiplier
3. RC Transmission Line
4. Recovery Time of a diode
5. Operational Amplifier

MATHS


1. Real Analysis: Understanding Continuity, Differentiability, and Riemann Integration
2. Complex Analysis: Exploring Functions of a Complex Variable
3. Numerical Analysis: Root-Finding Algorithms and Iterative Methods
4. Mechanics: Dynamics of Rigid Bodies and Their Applications in Robotics

GOVERNMENT COLLEGE KOTA
POSTER/MODEL/PROJECT
B.Sc SEM-I (Bio)


CHEMISTRY

S. No.	TOPICS
1.	Chemistry in everyday life
2.	Atomic Revolution
3.	Carbon Allotropes
4.	Water Pollution
5.	Soil Contamination

BOTANY

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1. black rust of wheat
 2. Citrus Canker, TMV, Green ear disease of bajara
 3. Thallus Organization in Algae
 4. Fruiting bodies in fungi
 5. Types of Lichens

ZOOLOGY

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1. Canal system of Porifera
 2. Coral & Coral reefs
 3. Pearl Culture
 4. Vermiculture
 5. Crustacean larval forms.

GOVERNMENT COLLEGE KOTA
POSTER/MODEL/PROJECT
B.Sc SEM-I (Maths)

Chemistry

S. No.	TOPICS
1.	Chemistry in everyday life
2.	Atomic Revolution
3.	Carbon Allotropes
4.	Water Pollution
5.	Soil Contamination

PHYSICS

1. Bending of a beam and determination of Young's modulus.
2. Modulus of rigidity by dynamical method.
3. Elastic constant by Searle's method..
5. Determination of dispersive power of material of a prism using spectrometer.
6. Measurement of wavelength of monochromatic source of light by Newton's rings.

MATHS

1. Relations and Functions: The Building Blocks of Mathematics
2. Conic Sections: Their Applications in Astronomy and Architecture
3. Differential Equations: Real-Life Applications in Engineering and Physics
4. Sequences and Series: Convergence, Divergence, and Their Impacts

GOVERNMENT COLLEGE KOTA
POSTER/MODEL/PROJECT
B.Sc SEM-III (Bio)

CHEMISTRY

S. No.	TOPICS
1.	Periodic Table
2.	Radioactive contamination
3.	Radioactive contamination
4.	Exothermic and endothermic Reactions
5.	Water Analysis

BOTANY

1. Cell Division
2. Mitochondria/ Chloroplast/ Nucleus
3. Mutation
4. Structure of DNA
5. Gene Operon Model

ZOOLOGY

1. Linkage
2. Crossing over
3. Transcription & Translation
4. Sex linked inheritance
5. Common genetic disorders

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B.Sc SEM-III (Maths)

CHEMISTRY

S. No.	TOPICS
1.	Periodic Table
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PHYSICS

1. Self inductance of a coil by Anderson's bridge
2. Capacitance using De Sauty-Bridge
3. Characteristics of given transistor PNP/ NPN(CE configurations)
4. Characteristics of given transistor PNP/ NPN (CB configurations)
5. Characteristics of given transistor PNP/ NPN (CC configurations)

MATHS

1. Ring Theory and Its Applications
2. Linear Algebra: Eigenvalues, Eigenvectors, and Their Use in Data Science
3. Vector Calculus: Applications in Electromagnetic Fields
4. Laplace Transforms: A Powerful Tool for Solving Differential Equations