जानकी देवी बजाज राजकीय कन्या महाविद्यालय

अण्टाघर सर्किल के पास, नयापुरा, कोटा–324001

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निर्धारित विषय व विषयवार निर्धारित सीटें

स्नातकोत्तर पाठ्यक्रम

महाविद्यालय में निम्नांकित विषयों में स्नातकोत्तर (एम.एस.सी.) कक्षाओं की सुविधा उपलब्ध है।

1.	रसायनशास्त्र (Chemistry)	25 सीटें राजकीय 15 सीटें स्ववित्तपोषित (SFS)
2.	वनस्पतिशास्त्र (Botany)	30 सीटें राजकीय
3.	प्राणीशास्त्र (Zoology)	30 सीटें स्ववित्तपोषित (SFS)
4.	भौतिकशास्त्र (Physics)	20 सीटें स्ववित्तपोषित (SFS)
5.	गणित (Maths)	40 सीटें स्ववित्तपोषित (SFS)

स्नातकोत्तर पाठ्यक्रम

महाविद्यालय में निम्नांकित विषयों में स्नातकोत्तर (एम.एस.सी.) कक्षाओं की सुविधा उपलब्ध है।

M. Sc. Botany	Semester-I	Paper I . Biology and Diversity of Lower Plants
		II. Pteridophyta, Gymnosperms and Paleobotany
		III. Plant Physiology
		IV. Microbiology and Plant Pathology
		V. Practical
	Semester-II	Paper VI . Plant Ecology
		VII. Plant Resource Utilization & Conservation
		VIII. Cell and Molecular Biology
		IX. Biochemistry
		X. Practical
	Semester-III	Paper XI. Plant Development and Reproduction
		XII. Cytogenetics
		XIII. Taxonomy of Angiosperms
		XIV. Elective Paper-(a) Adv. Plant Pathology -I (b) Adv.Plant Ecology-I.
		XV. Practical
	Semester-IV	Paper XVI . Biotechnology and Biometrics
		XVII. Plant Morphology and Anatomy
		XVIII. Seed Biology and Plant Breeding
		XIX. Elective paper-(a) Adv. Plant Pathology-II (b) Adv. Plant Ecology-II (Arid Zone Ecology)
		XX. Practical

M. Sc.Chemistry	Semester-I	Paper I. Inorganic Chemistry
		II. Organic Chemistry
		III. Physical Chemistry
		IV. Mathematics for Chemists / Biology for Chemists
		V. Chemistry Practical
	Semester-II	VI. Inorganic Chemistry
		VII. Organic Chemistry
		VIII. Physical Chemistry
		IX. Computer Applications in Chemistry
		X. Chemistry Practical
	Semester-III	XI. Chromatography
		XII. Spectroscopy
		XIII. Organic Chemistry (Organic Synthesis)
		XIV. Organic Chemistry (Heterocyclic Chemistry)
		XV. Practical
	Semester-IV	XVI. Environmental Chemistry
		XVII. Recent Methods of Organic Synthesis
		XVIII. Organic Chemistry (Chemistry of Natural Products)
		XIX. Organic Chemistry (Medicinal Chemistry)
		XX. Practical

M. Sc. Zoology	Semester-I	Paper I. Invertebrate: Structure And Functions
		II. Biochemistry
		III. Cell Biology
		IV. Evolution And Biostatistics
		V. Practical
	Semester-II	VI. Immunology And Biotechnology
		VII. Animal Taxonomy
		VIII. Genetics
		IX.Animal Physiology
		X. Practical
	Semester-III	XI. Chordata
		XII. Animal Ecology
		XIII. Special Paper: Forestry And Wildlife Management
		XIV. Special Paper: Forestry And Wildlife Management
		XV. Practical (General papers+Forestry And Wildlife Management)
	Semester-IV	XVI. Animal Behaviour
		XVII. Developmental Biology Of Chordates
		XVIII. Special Paper: Forestry And Wildlife Management
		XIX. Special Paper: Forestry And Wildlife Management
		XX. Practical (General Papers+Forestry And Wildlife Management)

M. Sc. Physics	Semester-I	Paper I. Mathematical Methods in Physics
		II. Classical Mechanics
		III. Quantum Mechanics-I
		IV. Advanced Electronics
		V. Physics Laboratory-I
	Semester-II	VI. Statistical Mechanics
		VII. Classical Electrodynamics -I
		VIII. Quantum Mechanics-II
		IX. Atomic & Molecular Physics
		X. Physics Laboratory-II
	Semester-III	XI. Nuclear Physics – I
		XII. Classical Electrodynamics–II
		XIII. Solid State Theory
		XIV. Elective Paper Microwave Electronics-I
		XV. Physics Laboratory
	Semester-IV	XVI. Nuclear Physics-II
		XVII. Solid State Physics
		XVIII. Lasers Physics
		XIX. Microwave Electronics-II
		XX. Physics Laboratory

M. Sc. Mathematics	Semester-I	Paper I. Advanced Algebra I
		II. Complex-Analysis
		III. Mechanics
		IV. Integral Equations
		V. Numerical Analysis
	Semester-II	VI. Advanced Algebra
		VII. Real Analysis
		VIII. Partial Differential Equations
		IX. Special Function
		X. Discrete Mathematics
	Semester-III	XI. Functional Analysis I
		XII. Topology I
		XIII. Operations Research I
		XIV. Fluid Dynamics I
		XV. Mathematical Statistics I
	Semester-IV	XVI. Functional Analysis II
		XVII. Topology II
		XVIII. Operations Research II
		XIX. Fluid Dynamics II
		XX. Mathematical Statistics II