



# जानकी देवी बजाज राजकीय कन्या महाविद्यालय

अण्टाघर सर्किल के पास, नयापुरा, कोटा-324001

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निर्धारित विषय

स्नातक पाठ्यक्रम

	विषय	
<b>समूह-ए</b> <b><u>(B. Sc.</u></b> <b><u>Biology)</u></b>	<b>1. Botany (वनस्पतिशास्त्र)</b>	<b>B. Sc. Part-I</b>
		Paper-I- Diversity of Microbes and Cryptogams (Thallophyta)
		Paper-II Diversity of Cryptogams (Bryophyta, Pteridophyta & Paleobotany)
		Paper-III Cell Biology, Genetics & Plant breeding
		Practical
		<b>B. Sc. Part-II</b>
		Paper-I Diversity & Systematics of seed plants-Gymnosperms
		Paper-II Diversity & Systematics of seed plants-Angiosperms
		Paper-III Structure development & Reproduction of flowering plants
		Practical
		<b>B. Sc. Part-III</b>
		Paper-I Plant Physiology & Biochemistry
		Paper-II Ecology & Phytogeography
		Paper-III Biotechnology & Utilization Of Plants

		Practical
	<b>2. Chemistry (रसायनशास्त्र)</b>	<b>B.Sc. Part-I</b>
		Paper-I Inorganic Chemistry
		Paper-II Organic Chemistry
		Paper-III Physical Chemistry
		Chemistry Practical
		<b>B.Sc. Part-II</b>
		Paper-I Inorganic Chemistry
		Paper-II Organic Chemistry
		Paper-III Physical Chemistry
		Chemistry Practical
		<b>B.Sc. Part-III</b>
		Paper-I Inorganic Chemistry
		Paper-II Organic Chemistry
		Paper-III Physical Chemistry
	Chemistry Practical	
	<b>3. Zoology (प्राणीशास्त्र)</b>	<b>B. Sc. Part-I</b>
		Paper I- Animal Diversity Part-I (Protozoa to Annelida)
		Paper-II- Genetics and Biotechnology
		Paper III- Cell Biology, Biochemistry and Microscopy
		Practical
<b>B. Sc. Part-II</b>		
Paper-I : Animal Diversity (Part-2) Arthropoda to Protochordata		

		Paper -II : Endocrinology And Ethology
		Paper - III : Animal Ecology And Biostatistics
		Practical
		<b>B. Sc. Part-III</b>
		Paper -I: Animal Diversity (Part-III:Vertebrates) And Evolution
		Paper -II: Mammalian Physiology And Immunology
		Paper -III: Developmental Biology
		Practical
<b>समूह-बी</b> <b>(B. Sc.</b> <b><u>Mathematics</u>)</b>	<b>1. Chemistry (रसायनशास्त्र)</b>	<b>B.Sc. (Part-I)</b>
		Paper-I Inorganic Chemistry
		Paper-II Organic Chemistry
		Paper-III Physical Chemistry
		Chemistry Practical
		<b>B.Sc. (Part-II)</b>
		Paper-I Inorganic Chemistry
		Paper-II Organic Chemistry
		Paper-III Physical Chemistry
		Chemistry Practical
		<b>B.Sc. (Part-III)</b>
		Paper-I Inorganic Chemistry
		Paper-II Organic Chemistry
		Paper-III Physical Chemistry
		Chemistry Practical

	<b>2. Mathematics (गणित)</b>	<b>B.Sc. Part – I</b>
		Paper I – Number theory and Abstract Algebra
		Practicals
		Paper II – Advanced Calculus
		Paper III – Vector Calculus and Coordinate Geometry
		<b>B.Sc. Part – II</b>
		Paper – I Real Analysis
		Paper - II Differential Equations
		Practicals
		Paper- III Mechanics
		<b>B. Sc. Part-III</b>
		Paper - I – Linear Algebra And Complex Analysis
		Paper - II Mathematical Statistics and Linear programming
		Paper - III -Numerical Analysis And C-Programming
	<b>Practicals</b>	
	<b>3. Physics (भौतिकशास्त्र)</b>	<b>B. Sc. Part-I</b>
		Paper I- Mechanics
		Paper II- Electromagnetism
		Paper III- Optics
		Physics Practicals
<b>B.Sc. Part-II</b>		
Paper I- Thermal and Statistical Physics		
Paper II- Electronics		

		Paper III- Relativity and Mathematical Physics
		Physics Practicals
		<b>B.Sc. Part-III</b>
		Paper I- Solid State Physics
		Paper II- Nuclear Physics
		Paper III- Elementary Quantum Mechanics and Spectroscopy
		Physics Practicals
<b>अनिवार्य विषय (Compulsary Subjects) B. Sc. Part-I</b>		
1. General Hindi (सामान्य हिन्दी)		
2. General English (सामान्य अंग्रेजी)		
3. Elementary Computer Application (प्रारम्भिक कम्प्यूटर अनुप्रयोग)		
4. Environmental Studies (पर्यावरण अध्ययन)		