

MODERN VIDYA NIKETAN SCHOOL

CLASS-XI

SHRI GOPAL SHARMA ADMISSION CUM SCHOLARSHIP TEST

SYLLABUS FOR NON-MEDICAL (2027 - 28)

Science (Physics and Chemistry)

IX	Motion, Force & laws of Motion, Gravitation, Work & Energy, Sound, Is Matter Around Us Pure, Atoms & Molecules, Structure of Atom, Matter in our Surroundings
X	Light, Human Eye and Colorful World, Electricity, Chemical Equations and Reactions, Acids, Bases & Salts, Metals & Non-Metals

Mathematics

IX	Number System, Polynomial, Co-ordinate Geometry, Linear Equations in two Variables, Lines and Angles, Triangles, Quadrilateral, Surface Area and Volumes, Circles, Heron's Formula
X	Real Numbers, Polynomials, Linear equations in two variables, Introduction to Trigonometry, Co-ordinate Geometry, Probability, Quadratic Equations, Application of Trigonometry, Arithmetic Progression

REFERENCE BOOKS:

MATHS	- R.D. SHARMA FOR CLASSES IX & X - PEARSON IIT FOUNDATION SERIES - MATHEMATICS FOR CLASSES IX & X
PHYSICS	- PRADEEP FOR CLASSES IX & X - PEARSON IIT FOUNDATION SERIES - PHYSICS FOR CLASSES IX & X - SIMPLIFIED PHYSICS BY ANURAG MISHRA FOR CLASSES IX & X
CHEMISTRY	- PRADEEP FOR CLASSES IX & X - PEARSON IIT FOUNDATION SERIES - CHEMISTRY FOR CLASSES IX & X

**** NOTE: The Reference books may be referred to, for broad pattern of questions.**

MODERN VIDYA NIKETAN SCHOOL

CLASS-XI

SHRI GOPAL SHARMA ADMISSION CUM SCHOLARSHIP TEST

SYLLABUS FOR MEDICAL (2027 - 28)

Science (Physics, Chemistry and Biology)

IX	Motion, Force & laws of Motion, Gravitation, Work & Energy, Sound, Is Matter Around Us Pure, Atoms & Molecules, Structure of Atom, Matter in our Surroundings, Cell, Tissues, Improvement in Food Resources
X	Light, Human Eye and Colorful World, Electricity, Chemical Equations and Reactions, Acids, Bases & Salts, Life processes, Metals & Non-Metals

Mathematics

IX	Number System, Polynomial, Co-ordinate Geometry, Linear Equations in two Variables, Lines and Angles, Triangles, Quadrilateral, Surface Area and Volumes, Circles, Heron's Formula
X	Real Numbers, Polynomials, Linear equations in two variables, Introduction to Trigonometry, Co-ordinate Geometry, Probability, Quadratic Equations, Application of Trigonometry, Arithmetic Progression

REFERENCE BOOKS:

MATHS	● R.D. SHARMA FOR CLASSES IX & X
	● PEARSON IIT FOUNDATION SERIES - MATHEMATICS FOR CLASSES IX & X
PHYSICS	● PRADEEP FOR CLASSES IX & X
	● PEARSON IIT FOUNDATION SERIES - PHYSICS FOR CLASSES IX & X
	● SIMPLIFIED PHYSICS BY ANURAG MISHRA FOR CLASSES IX & X
CHEMISTRY	● PRADEEP FOR CLASSES IX & X
	● PEARSON IIT FOUNDATION SERIES - CHEMISTRY FOR CLASSES IX & X
BIOLOGY	● BIOLOGY BY PRADEEP PUBLICATION FOR CLASS IX & X
	● PEARSON FOUNDATION LEVEL - BIOLOGY FOR CLASSES IX & X

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MODERN VIDYA NIKETAN SCHOOL

CLASS-XI

SHRI GOPAL SHARMA ADMISSION CUM SCHOLARSHIP TEST

SYLLABUS FOR COMMERCE (2027 - 28)

Economics & Political Science

IX+X	Story of Village Palampur, People as a Resource, Poverty as a challenge, Food Security in India, Development, Sectors of Indian Economy, Money and Credit Making of Indian Constitution, Basic features of Indian Constitution, Electoral Politics, Working of Institutions, Political Parties, Federalism and Local Self Government, Gender Caste and Religion
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Mathematics

IX	Number System, Polynomial, Co-ordinate Geometry, Linear Equations in two Variables, Lines and Angles, Triangles, Quadrilateral, Circles, Surface Area & Volumes, Heron's Formula
X	Real Numbers, Polynomials, Linear equations in two variables, Introduction to Trigonometry, Co-ordinate Geometry, Probability, Quadratic Equations, Application of Trigonometry, Arithmetic Progression

English

IX+X	Based on IX and X Syllabus (Reading and Grammar)
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Mental Ability

	Mental Aptitude, Coding & Decoding, Number Series, Reasoning
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REFERENCE BOOKS:

MATHS	● R.D. SHARMA FOR CLASSES IX & X
	● PEARSON IIT FOUNDATION SERIES - MATHEMATICS FOR CLASSES IX & X
ECONOMICS	● NCERT BOOKS OF ECONOMICS FOR CLASSES IX & X
POLITICAL SCIENCE	● NCERT BOOKS OF POLITICAL SCIENCE FOR CLASSES IX & X
	● INTRODUCTION OF THE CONSTITUTION OF INDIA – DD BASU
ENGLISH	● WREN & MARTIN
	● ADVANCED OXFORD PRACTICE GRAMMAR BY GEORGE YULE
	● COMPETITIVE EXAMS PERIODICALS, NEWSPAPERS AND JOURNALS
MENTAL ABILITY	● A MODERN APPROACH TO VERBAL AND NON-VERBAL REASONING BY R.S. AGGARWAL- S.CHAND.
	● A NEW APPROACH TO REASONING BY B.S. SIJWALI & S. SIJWALI- ARIHANT

**** NOTE: The Reference books may be referred to, for broad pattern of questions.**

MODERN VIDYA NIKETAN SCHOOL

CLASS-XI

SHRI GOPAL SHARMA ADMISSION CUM SCHOLARSHIP TEST	
SYLLABUS FOR HUMANITIES (2027 - 28)	
Political Science & History	
IX + X	Making of Indian Constitution, Basic features of Indian Constitution, Electoral Politics, Working of Institutions, Federalism and Local Self Government, Gender Religion and Caste, Political Parties Nationalism in India, Nationalism in Europe, Nazism and the Rise of Hitler, Socialism in Europe and Russian Revolution
Geography & Economics	
IX + X	India's Size and Location, Physical features of India, Climate, Drainage, Population, Resource and Development, Water Resources, Forest and Wild Life Resources, Agriculture, Minerals and Energy Resources Story of Village Palampur, People as a Resource, Poverty as a challenge, Food Security in India, Development, Sectors of Indian Economy, Money and Credit
English	
IX + X	Based on IX and X Syllabus (Reading and Grammar)
Mental Ability	
	Mental Aptitude, Coding & Decoding, Number Series, Reasoning
REFERENCE BOOKS:	
POLITICAL SCIENCE	- NCERT BOOKS OF POLITICAL SCIENCE FOR CLASSES IX & X - INTRODUCTION TO THE CONSTITUTION OF INDIA - DD BASU
HISTORY	NCERT BOOKS OF HISTORY FOR CLASSES IX & X
GEOGRAPHY	- NCERT BOOKS OF GEOGRAPHY FOR CLASSES IX & X - INDIA A COMPREHENSIVE GEOGRAPHY - D.R. KHULLAR - GEOGRAPHY OF INDIA - MAJID HUSAIN
ECONOMICS	NCERT BOOKS OF ECONOMICS FOR CLASSES IX & X
ENGLISH	WREN & MARTIN
	ADVANCED OXFORD PRACTICE GRAMMAR BY GEORGE YULE
	COMPETITIVE EXAMS PERIODICALS, NEWSPAPERS AND JOURNALS
MENTAL ABILITY	A MODERN APPROACH TO VERBAL AND NON-VERBAL REASONING BY R.S. AGGARWAL- S.
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