MODERN VIDYA NIKETAN SCHOOL
CLASS-XI

SHRI GOPAL SHARMA ADMISSION CUM SCHOLARSHIP TEST	
SYLLABUS FOR NON MEDICAL (2024 - 25)	
Science (Physics and Chemistry)	
IX	Motion, Force & Laws of Motion, Gravitation, Work & Energy, Is matter around us pure, Atoms & Molecules, Structure of Atom, Matter in Our Surroundings
X	Light, Structure of Human Eye and its Defects, Chemical Reactions, Acids, Bases & Salts, Metals & Non-Metals , Carbon and its compounds,Electricity, Magnetic Effects of Electric Current (excluding Electric Motor, Generator, EMI)
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, Statistics
X	Real Numbers, Polynomials, Linear equations in two variables, Introduction to Trigonometry, Co-ordinate Geometry, Probability, Quadratic Equations, Application of Trigonometry, Area related to Circles, Arithmetic progression, Statistics, Triangles, Volume and Surface Area, Circles

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
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 (2024 - 25)	
Science (Physics, Chemistry and Biology)	
IX	Motion, Force & Laws of Motion, Gravitation, Work & Energy, Is matter around us pure, Atoms & Molecules, Structure of Atom, Matter in Our Surroundings, Cell, Tissues, Improvement in Food Resources
X	Light , Structure of Human Eye and its Defects, Electricity, Chemical Reactions, Acids, Bases & Salts, Metals & Non-Metals and Life processes, Control & Coordination, Magnetic effect of electric current (excluding Electric Motor, Generator, EMI), Carbon and its Compounds. How do organisms reproduce, Heredity, Our environment.
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, Statistics
X	Real Numbers, Polynomials, Linear equations in two variables, Introduction to Trigonometry, Co-ordinate Geometry, Probability, Quadratic Equations, Application of Trigonometry, Area related to Circles, Arithmetic progression, Statistics, Triangles, Volume and Surace Area, Circles

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
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

** 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 COMMERCE (2024 - 25)	
Economics & Political Science	
IX+X	Story of Village Palampur, People as Resource, Poverty as a challenge, Development , Sectors of Indian Economy & Money and Credit, Globalisation and the Indian Economy, Food Security Making of Indian Constitution, Basic features of Indian Constitution, Electoral Politics, Working of Institutions, Federalism and Local Self Government, Gender, Caste & Religion, Political Parties.
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, Statistics
X	Real Numbers, Polynomials, Linear equations in two variables, Introduction to Trigonometry, Coordinate Geometry, Probability, Quadratic Equations, Application of Trigonometry, Area related to Circles, Arithmetic progression, Statistics, Triangles, Volume and Surace Area, Circles
English	
IX+X	Based on IX and X Syllabus (Reading, Writing and Grammar)
Mental Ability	
	Mental Aptitude, Coding & Decoding, Number Series, Reasoning

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 TO 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 (2024 - 25)	
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, Caste & Religion, Political Parties. Nationalism in India, Rise of 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, Natural Vegetation and Wild Life, Resource and Development,Water Resoruces, Forest and Wild Life Resources, Manufacturing Industries, Agriculture, Minerals and Energy Resources, Drainage, Story of Palampur, People as Resource, Poverty as a challenge, Development , Sectors of Indian Economy, Money and Credit, Globalisation and the Indian Economy, Population, Food Security
English	
IX+X	Based on IX and X Syllabus (Reading, Writing 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.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.