

MODERN VIDYA NIKETAN SCHOOL

CLASS-XI

SHRI GOPAL SHARMA ADMISSION CUM SCHOLARSHIP TEST

SYLLABUS FOR NON MEDICAL (2022 - 23)

Science (Physics and Chemistry)

IX	Motion, Force & laws of Motion, Gravitation Part I, Work & Energy, Is matter around us pure, Atoms & Molecules, Structure of Atom
X	Light (Excluding Uses of Mirrors & Lenses), Electricity, Human eye & Colourful World (Excluding Structure of Human Eye and its Defects), Magnetic Effects of Current (Excluding Electric Generator & Domestic Electric Current), Chemical Reactions & Equations, Acids, Bases & salts, Metals & Non-Metals (Excluding Metallurgy), Carbon & its Compounds, Periodic Classification of Elements.

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, Probability.
X	Real Numbers, Polynomials, Linear equations in two variables, Introduction to trigonometry, Co-ordinate Geometry, Area Related to Circles, Probability, Arithmetic Progression, Quadratic Equations, Statistics, Triangles, Circles, Application of Trigonometry.

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 (2022 - 23)

Science (Physics, Chemistry and Biology)

IX	Motion, Force & laws of Motion, Gravitation Part I, Work & Energy, Is matter around us pure, Atoms & Molecules, Structure of Atom, Cell, Tissues, Why do we fall ill
X	Light (Excluding Uses of Mirrors & Lenses), Electricity, Human eye & Colourful World (Excluding Structure of Human Eye and its Defects), Magnetic Effects of Current (Excluding Electric Generator & Domestic Electric Current), Chemical Reactions & Equations, Acids, Bases & salts, Metals & Non-Metals (Excluding Metallurgy), Life processes, Carbon & its compounds, Periodic Classification of Elements, How do Organisms reproduce, 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, Probability.
X	Real Numbers, Polynomials, Linear equations in two variables, Introduction to trigonometry, Co-ordinate Geometry, Area Related to Circles, Probability, Arithmetic Progression, Quadratic Equations, Statistics, Triangles, Circles, Application of Trigonometry.

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

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MODERN VIDYA NIKETAN SCHOOL

CLASS-XI

SHRI GOPAL SHARMA ADMISSION CUM SCHOLARSHIP TEST

SYLLABUS FOR COMMERCE (2022 - 23)

English

IX+X	Based on IX and X Syllabus (Reading, Writing and Grammar)
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Economics

IX+X	Story of Palampur, People as Resource, Poverty as a challenge, Development , Sectors of Indian Economy, Money and Credit, Globalisation and Indian Economy.
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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, Statistics, Probability
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X	Real Numbers, Polynomials, Linear equations in two variables, Introduction to trigonometry, Coordinate Geometry, Area Related to Circle, Probability, Arithmetic Progression, Quadratic Equations, Statistics, Triangles, Circles, Application of Trigonometry.
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Mental Ability

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

MATHS	<ul style="list-style-type: none"> ● R.D. SHARMA FOR CLASSES IX & X ● PEARSON IIT FOUNDATION SERIES - MATHEMATICS FOR CLASSES IX & X
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ECONOMICS	<ul style="list-style-type: none"> ● NCERT BOOKS OF ECONOMICS FOR CLASSES IX & X
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ENGLISH	<ul style="list-style-type: none"> ● WREN & MARTIN ● ADVANCED OXFORD PRACTICE GRAMMAR BY GEORGE YULE ● COMPETITIVE EXAMS PERIODICALS, NEWSPAPERS AND JOURNALS
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Mental Ability	<ul style="list-style-type: none"> ● 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
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CLASS-XI

SHRI GOPAL SHARMA ADMISSION CUM SCHOLARSHIP TEST

SYLLABUS FOR HUMANITIES (2022 - 23)

POLITICAL SCIENCE

IX + X

Democracy and Features of Democracy, Making of Indian Constitution, Basic features of Indian Constitution, Electoral Politics, Working of Institutions, Power Sharing, Federalism and Local Self Government, Political Parties, Outcomes of Democracy, Important Amendments.

GEOGRAPHY

IX + X

India's Size and Location, Physical features of India, Climate, Natural Vegetation and Wild Life, Resource and Development, Agriculture, Manufacturing Industries, Lifelines of National Economy.

ECONOMICS

IX + X

Story of Palampur, People as Resource, Poverty as a challenge, Development, Sectors of Indian Economy, Money and Credit, Globalization.

ENGLISH

IX+X

Based on IX and X Syllabus (Reading, Writing and Grammar)

REFERENCE BOOKS:

POLITICAL SCIENCE

- NCERT BOOKS OF POLITICAL SCIENCE FOR CLASSES IX & X
- INTRODUCTION TO THE CONSTITUTION OF INDIA - DD BASU

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

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