



MASTERJEE TALENT SEARCH SCHOLARSHIP EXAM – 2018

SYLLABUS FOR MTSE

class 6	PHY	CHE	MAT	BIO
NCERT	Motion and Measurements of Distances	Fibre to Fabric	Knowing our Numbers	Food: where does it come from?
	Light, Shadows and Reflection	Sorting Materials into Groups	Whole Numbers	Components of food
	Electricity and circuits	Separation of Substances	Playing with Numbers	Getting to know plants
	Fun and magnets	Changes Around Us	Basic Geometrical Ideas	Body movements
		Water	Understanding Elementary Shapes	The Living organisms – Characteristics And Habitats
		Air Around Us	Integers	Garbage in, garbage out
			Fractions	
			Decimals	
			Data handling	
			Mensuration	
			Algebra	
			Ratio and Proportion	
			Symmetry	

			Practical Geometry	
TN BOARD	PHY	CHE	MAT	BIO
	MEASUREMENTS	MATTER AROUND US	MAT	THE LIVING WORLD OF PLANTS
	FORCE AND MOTION		NUMBERS	LIVING WORLD OF ANIMALS
	COMPUTER AN INTRODUCTION		INTRODUCTION TO ALGEBRA	HEALTH AND HYGEINE
			Ratio and Proportion	
			GEOMETRY	
			STATISTICS	
			INFORMATION PROCESSING	
class 7	PHY	CHE	MAT	BIO
NCERT	Heat	fibre to fibric+	fractions and decimals	nutrition in plants
	wind, storms and cyclones	acids, bases and salts	data handling	nutrition in animals
	motion and time	physical and chemical changes	simple equations	weather, climate and adaptations of animals to climate
	electric current and its effects	soil	lines and angles	respiration in organisms
	light	water-a precious resource	the triangle and its properties	transportation in animals and plants
		forests, our lifeline	congruence of triangles	reproduction in plants
		wastewater story	comparing quantities	
			rational numbers	

			practical geometry	
			perimeter and area	
			algebraic expressions	
			exponents and powers	
			symmetry	
			visualising solid shape	
TN BOARD	MEASUREMENT	MATTER IN OUR SURROUNDINGS	REAL NUMBER SYSTEM	ANIMALS IN DAILY LIFE
	MOTION		ALGEBRA	NUTRITION IN PLANTS AND ANIMALS
			GEOMETRY	PLANT MORPHOLOGY
			practical geometry	BASIS OF CLASSIFICATION
			data handling	
CLASS 8	PHY	CHE	MAT	BIO
NCERT	Force and Pressure	Synthetic Fibres and Plastics	Rational Numbers	Crop Production and Management
	Friction	Materials: Metals & Non-Metals	Linear Equation in One Variable	Microorganisms: Friend and Foe
	Sound	Coal and Petroleum	Understanding Quadrilaterals	Conservation of Plants and Animals
	Chemical Effects of Electric Current	Combustion and Flame	Practical Geometry	Cell – Structure and Function
	Some Natural Phenomena	Pollution of Air and Water	Data Handling	Reproduction in Animals
	Light		Square and Square Roots	Reaching the Age of Adolescence

	Stars and The Solar System		Cubes and Cube Roots	
			Comparing Quantities	
			Algebraic Expressions and Identities	
			Visualising Solid Shapes	
			Mensuration	
			Exponents and Powers	
			Direct and Inverse Proportions	
			Factorisation	
			Introduction to Graphs	
			Playing with Numbers	
TN BOARD	MEASUREMENTS	ELEMENTS AND COMPOUNDS AROUND US	REAL NUMBER SYSTEM	CROP PRODUCTION AND MANAGEMENT
	Force and Pressure		MEASUREMENTS	REACHING THE AGE OF ADOLESCENCE
			GEOMETRY	PICTORIAL FEATURE OF PLANT KINGDOM
			practical geometry	MICROORGANISMS
CLASS 9	PHY	CHE	MAT	BIO
NCERT	MOTION	MATTER IN OUR SURROUNDINGS		THE FUNDAMENTAL UNIT OF LIFE
	FORCE AND LAWS OF MOTION	IS MATTER AROUND US PURE?	<u>POLYNOMIALS</u>	TISSUES
	GRAVITATION	ATOMS AND MOLECULES	<u>COORDINATE GEOMETRY</u>	DIVERSITY IN LIVING ORGANISMS

	WORK AND ENERGY	STRUCTURE OF THE ATOM	<u>LINEAR EQUATIONS IN TWO VARIABLES</u>	WHY DO WE FALL ILL?
	SOUND		<u>INTRODUCTION TO EUCLID'S GEOMETRY</u>	NATURAL RESOURCES
			<u>LINES AND ANGLES</u>	IMPROVEMENT IN FOOD RESOURCES
			<u>TRIANGLES</u>	
			<u>QUADRILATERALS</u>	
			<u>AREAS OF PARALLELOGRAMS AND TRIANGLES</u>	
			<u>CIRCLES</u>	
			<u>CONSTRUCTIONS</u>	
			<u>HERON'S FORMULA</u>	
			<u>SURFACE AREAS AND VOLUMES</u>	
			<u>STATISTICS</u>	
			<u>PROBABILITY</u>	
TN BOARD	MEASUREMENT AND MEASURING INSTRUMENTS	MATTER AROUND US	SET LANGUAGE	LIVING WORLD OF PLANTS - PLANTS PHYSIOLOGY
	MOTION	ATOMIC STRUCTURE	REAL NUMBERS	LIVING WORLD OF ANIMALS-DIVERSITY IN LIVING ORGANISMS-KINGDOM ANIMALIA
	LIGHT		ALGEBRA	HEALTH AND HYGEINE-FOOD FOR LIVING
	COMPOUTER AN INTRODUCTION		GEOMETRY	

			COORDINATE GEOMETRY	
CLASS 10	PHY	CHE	MAT	BIO
NCERT	Light-Reflection and Refraction	Chemical Reactions and Equations	Real Numbers	Life Processes
	The Human eye and the Colorful world	Acid, Bases and Salts	Polynomials	Control and Coordination
	Electricity	Metal and Non-metals	Pair of Linear Equation in Two Variables	How Do Organism Reproduce
	Magnetic effect of electric current	Carbon and its Compounds	Quadratic Equations	Heredity and Evolution
	Sources of energy	Periodic Classification of Elements	Arithmetic Progressions	Our Environment
			Triangles	Sustainable Management of Natural Resources
			Coordinate Geometry	
			Introduction to Trigonometry	
			Some Applications of Trigonometry	
			Circles	
			Constructions	
			Area related to circles	
			Surface area and volumes	
			Statistics	

TN BOARD	MEASURING INSTRUMENTS	SOLUTIONS	SETS AND FUNCTIONS	Heredity and Evolution
	LAWS OF MOTION AND GRAVITATION	ATOMS AND MOLECULES	SEQUENCES AND SERIES OF REAL NUMBERS	IMMUNE SYSTEM
	ELECTRICITY AND ENERGY	Chemical Reactions	ALGEBRA	STRUCTURE AND FUNCTIONS OF HUMAN BODY ORGAN SYSTEMS
	MAGNETIC EFFECT OF ELECTRIC CURRENT AND LIGHT	Periodic Classification of Elements	MATRICES	REPRODUCTION IN PLANTS
		Carbon and its Compounds	Coordinate Geometry	A REPRESENTATIVE STUDY OF MAMMALS
			GEOMETRY	Life Processes
			TRIGNOMETRY	CONSERVATION OF ENVIRONMENT
			MENSURATION	WASTE WATER MANAGEMENT
			PRACTICAL GEOMETRY	
			GRAPHS	
			Statistics	
			PROBABILITY	