

COMPUTER (DIGICODE AI)

CLASS - VII

COMPUTER DIGICODE (AI)	P.T -I April – May	TERMINAL TEST -I June -September	P.T-II September – December	TERM-II December - January
	<p>1. App Development</p> <ul style="list-style-type: none"> • What is an App? • Defining the Android and IOS • Types of Mobile Apps • Categories of Apps • Downloading and Installing the App • Developing an App <p>4. Algorithmic Intelligence</p> <ul style="list-style-type: none"> • Information Processing • Conditions in a Program 	<p>2.Krita—Image Editing</p> <ul style="list-style-type: none"> • Downloading and Installing Krita • Components of Krita • Understanding Krita Tools • Tools to Edit an Image • Saving an Image <p>3. Advanced Features of Excel 2016</p> <ul style="list-style-type: none"> • Form in Excel • Using Form in Excel • Filtering Data • Conditional Formatting • Using Data Validation • Using Subtotal Command <p>5. More on MakeCode Arcade</p> <ul style="list-style-type: none"> • What are Variables? • Using Math Blocks • Using Logic Blocks 	<p>6. More on Python (Page 82)</p> <ul style="list-style-type: none"> • Data Types • Comments in Python • Precedence of Operators • Conditional Statements • if Statement • if...else Statement • Nested if Statement • if...elif...else Ladde <p>7. Humans and Machines</p> <ul style="list-style-type: none"> • Brief History of Human-Machine Interaction • Stages of Human-Machine Interaction • Types of Human-Machine Interaction • Future of Human-Machine Interaction <p>8. Types of AI</p> <ul style="list-style-type: none"> • Weak AI • Strong AI • Super AI 	<p>9. Smart Living (Page 124)</p> <ul style="list-style-type: none"> • Concept of Smart Living • Future of AI <p>10. Fields Where Robots are Used</p> <ul style="list-style-type: none"> • Security and Surveillance • Manufacturing • Military • Healthcare • Space Exploration • Entertainment • Agriculture • Underwater Research

ENGLISH LANGUAGE & LITERATURE

CLASS –VII

	PT-I (FEB –MAY)	TERMINAL TEST –I (JUNE- AUG)	PT-II (SEP- NOV)	TERMINAL-II (DEC-JAN)
ENGLISH GRAMMAR	<ul style="list-style-type: none"> • Noun • Adjectives • Pronouns • Transitive & Intransitive verb • Antonyms and Synonyms 	<ul style="list-style-type: none"> • Subject verb agreement • Primary and modal auxiliaries • Tense • Adverbs • Phrases & Idioms 	<ul style="list-style-type: none"> • Prepositions • Conjunctions • Determiners • Articles • Voice • Antonyms , Synonyms 	<ul style="list-style-type: none"> • Speech • Finite and Non Finite Verbs • Phrases & Clauses • Idioms & Verbal Phrases
CREATIVE WRITING & READING	Letter Writing Formal & Informal Essay – My Aim, Summer Vacation tour	Notice And Message writing Essay – Value of Self Study	E- Mail Writing Essay – Indian Farmer	Diary Entry Essay – Science Exhibition
ENGLISH LITERATURE	<p style="text-align: center;"><u>Prose</u></p> <ol style="list-style-type: none"> 1. The Day River Spoke 2. Three Days to see Poem (Poetry) 3. Try Again 	<p style="text-align: center;"><u>Prose</u></p> <ol style="list-style-type: none"> 4. Animals , Birds and Dr. Doolittle 5. Say the Write thing <p style="text-align: center;"><u>Poetry</u></p> <ol style="list-style-type: none"> 6. A Funny Man 	<p style="text-align: center;"><u>Prose</u></p> <ol style="list-style-type: none"> 7. My Brother’s great Invention 8. North, South , East , West 9. The Funnel <p style="text-align: center;"><u>Poem.</u></p> <ol style="list-style-type: none"> 10. Paper Boats 	<p style="text-align: center;"><u>Prose</u></p> <ol style="list-style-type: none"> 11. Conquering the Summit 12. A Homage to our Bran solders 13. Rani Abbakka . <p style="text-align: center;"><u>Poetry</u></p> <ol style="list-style-type: none"> 14. Travel 15. My dear Soldiers

GENERAL KNOWLEDGE

CLASS - VII

	P.T -I April-May	TERMINAL TEST -I June -September	P.T-II September – December	TERMINAL TEST -II December - January
WIDE OPEN A Book of General Knowledge	<p>➤ Chapter -1</p> <p>THE NATURAL WORLD</p> <ul style="list-style-type: none"> • Wonderful birds • The World of Dinosaurs • Unusual Trees • All about Fish <p>➤ Chapter -2</p> <p>INDIA- MY COUNTRY</p> <ul style="list-style-type: none"> • Tourist places in India • Influential Indian women • Famous Indian Chefs • Missile system of India 	<p>➤ Chapter -3</p> <p>SCIENCE AND TECHNOLOGY</p> <ul style="list-style-type: none"> • Human Body and Health Awareness • Stars of the internet • Theories Propounded • Space Quiz <p>➤ Chapter - 4</p> <p>THE WORLD OF WE LIVE IN</p> <ul style="list-style-type: none"> • The United Nations • Prominent Personalities of the 20th Century • Lost cities of the world <p><i>(The PT-1 Syllabus will also be included in this exam.)</i></p>	<p>➤ Chapter - 5</p> <p>LITERATURE AND ENTERTAINMENT</p> <ul style="list-style-type: none"> • Let's Dance • Great writers Around the world • Famous Musicians and Music Bands <p>➤ Chapter -6</p> <p>RELIGION AND LIFE STYLE</p> <ul style="list-style-type: none"> • Traditional Indian Paintings • Craft Time • Religions Born in India • Regional Dance of India 	<p>➤ Chapter – 7</p> <p>LIVING YOGA LIFE</p> <ul style="list-style-type: none"> • Bow Pose • Flying Pose • Knot Pose • Pigeon Pose • Porridge Pose • Rock- the – Baby pose • Shark Pose • Treasure Chest Pose <p>➤ Chapter - 8</p> <p>VIRAASAT AUR VIKAS</p> <ul style="list-style-type: none"> • Operation Sindoor : Asaga of velour and National Resolve • India : A Rising Space Power <p><i>(The PT-II Syllabus will also be included in this exam.)</i></p>

HINDI**CLASS -VII**

P.T -I April – May		TERMINAL TEST -I June –September (Mid)	P.T-II September – December(Mid)	TERMINAL TEST -II December – January(1st Week)
हिंदी - मल्हार	* पाठ-1: माँ, कह एक कहानी (कविता) * पाठ-2: तीन बुद्धिमान (लोक-कथा) * पाठ-3: फूल और काँटा (कविता)	* पाठ-4: पानी रे पानी (निबंध) * पूरक पाठ: विश्वेश्वरैया * पाठ-5: नदी होना बीमार (कहानी) * पाठ-6: गिरधर की कुंडलियाँ (कविता) * पाठ-7: वर्षा-बहार (कविता)	* पाठ-8: बिरजू महाराज (साक्षात्कार) * पाठ-9: चिड़िया (कविता) * पाठ-10: मीरा के पद	* विजयी विश्व तिरंगा * खेल - भारती * पहेलियाँ
हिंदी व्याकरण	* पाठ-1: भाषा, लिपि - व्याकरण * पाठ-2: वर्ण - विचार * पाठ-3: शब्द - ज्ञान * पाठ-16: शब्द - भंडार * पाठ-18: अपठित - बोध * पाठ-20: पत्र - लेखन * पाठ-21: अनुच्छेद - लेखन	* पाठ-4: संज्ञा * पाठ-5: लिंग - वचन * पाठ-6: कारक * पाठ-7: सर्वनाम * पाठ-8: विशेषण * पाठ-9: क्रिया * पाठ-10: काल,वाच्य * पाठ-11: अव्यय	* पाठ-12: वाक्य - विचार * पाठ-13: संधि, समास * पाठ-14: उपसर्ग, प्रत्यय	* पाठ-15: विराम * पाठ-17: मुहावरे लोकोक्तियाँ * 22. निबंध लेखन * 23. कहानी लेखन * 24. संवाद लेखन * 25. चित्र लेखन * 26: डायरी लेखन
वर्ग - जाँच परीक्षा	समयानुसार - वर्ग जाँच - परीक्षा	समयानुसार - वर्ग जाँच - परीक्षा	समयानुसार - वर्ग जाँच - परीक्षा	समयानुसार - वर्ग जाँच - परीक्षा

MATHEMATICS

CLASS - VII

P.T -I April – May	TERMINAL TEST -I June -September	P.T-II September – December	TERMINAL TEST -II December - January
<p>➤ Chapter -1 INTEGERS</p> <ul style="list-style-type: none"> • Introduction Types • Representation on Number Line • Ordering and Comparing Integers • Absolute Value • Additive Inverse • Addition • Subtraction • Real life Examples <p>➤ Chapter -2 FRACTIONS AND DECIMALS</p> <ul style="list-style-type: none"> • Definition and Representation • Types • Introduction to Decimals • Place value • Conversion • Comparing and Ordering • Operations • Real life usages <p>➤ Chapter -3 DATA HANDLING</p> <ul style="list-style-type: none"> • Introduction to Data • Organizing Data • Pictographs • Bar graphs 	<p>➤ Chapter -4 SIMPLE EQUATIONS</p> <ul style="list-style-type: none"> • Definition • Types • Examples <p>➤ Chapter - 5 LINES AND ANGLES</p> <ul style="list-style-type: none"> • Line and basic elements • Types of angles • Angle relationships and pairs • Angle properties • Angle made by transversal line. <p>➤ Chapter - 6 THE TRIANGLE AND IT'S PROPERTIES</p> <ul style="list-style-type: none"> • Properties of intersecting lines • Parallel lines and transversal • Point and rotation properties <p>Revision for Terminal Test-1(from ch-1 to ch-6)</p>	<p>➤ Chapter - 7 COMPARING QUANTITIES</p> <ul style="list-style-type: none"> • Ratio • Proportional • Percentage Conversion • Percentage increase/Decrease <p>➤ Chapter -8 FRACTIONS</p> <ul style="list-style-type: none"> • Types • Comparison and equivalence • Operations on fractions Interaction (through word problems) <p>➤ Chapter -9 PLAYING WITH CONSTRUCTION</p> <ul style="list-style-type: none"> • Basic geometric construction • Construction of basic parallel lines • Construction of triangle • Exploring quadrilaterals • Advance exploration and tilling's. 	<p>➤ Chapter- 9 SYMMETRY</p> <ul style="list-style-type: none"> • Line symmetry • Rotational symmetry • Combined symmetry properties • Real world applications <p>➤ Chapter - 10 THE OTHER SIDE OF ZERO</p> <ul style="list-style-type: none"> • Concept of negative numbers • The number line • Comparing and Ordering • Properties of integers <p>Revision for Annual Examination (Ch- 4, 5, 2, 6,7,8,9,10)</p>

SOCIAL SCIENCE

P.T -I April – May	TERMINAL TEST -I June -September	P.T-II September – December	TERMINAL TEST -II December - January
<ul style="list-style-type: none"> ➤ Chapter – 1 (Geo) GEOGRAPHICAL DIVERSITY OF INDIA ➤ Chapter – 4 (His) NEW BEGINNINGS : CITIES AND STATES ➤ Chapter – 8 (His) HOW THE LAND BECOMES SACRED ➤ Chapter – 9 (Civics) FROM THE RULERS TO THE RULED :TYPES OF GOVERNMENTS ➤ Chapter – 11 (Economics) FROM BARTER TO MONEY 	<ul style="list-style-type: none"> ➤ Chapter -2 (Geo) UNDERSTANDING THE WEATHER ➤ Chapter – 3 (Geo) CLIMATES OF INDIA ➤ Chapter – 5 (His) THE RISE OF EMPIRES ➤ Chapter –6 (His) THE AGE OF REORGANISATION. ➤ Chapter –7 (His) THE GUPTA ERA : AN AGE OF TIRELESS CREATIVITY ➤ Chapter –10 (Civics) THE CONSTITUTION OF INDIA – An Introduction ➤ Chapter –12 (Economics) UNDERSTANDING MARKETS 	<ul style="list-style-type: none"> ➤ Chapter -1 (Geo) THE STORY OF INDIAN FARMING ➤ Chapter -03 (His) EMPIRES AND KING DOMS: 6th TO 10th CENTURIES. ➤ Chapter -7 (Economics) INFRASTRUCTURE : ENGINE OF INDIA’S DEVELOPMENT 	<ul style="list-style-type: none"> ➤ Chapter – 2 (Geo) INDIA AND HER NEIGHBOURS ➤ Chapter -4 (His) TURNING TIDES: 11th AND 12th CENTURIES ➤ Chapter -5 (His) INDIA , A HOME TO MANY ➤ Chapter -6 (Civics) THE STATE, THE GOVERNMENT. AND YOU ➤ Chapter -8 (Economics) BANKS AND THE MAGIC OF FINANCE.

SPLIT UP SYLLABUS

CLASS – VII

SCIENCE

P.T -I April – May	TERMINAL TEST -I June -September	P.T-II September – December	TERMINAL TEST -II December - January
<p>➤ BIOLOGY</p> <ul style="list-style-type: none">• The Ever-Evolving Word of science• Cell: Structure and Functions <p>➤ CHEMISTRY</p> <ul style="list-style-type: none">• Acid Base & Salt• Electricity : Circuits & Their Components <p>➤ PHYSICS</p> <ul style="list-style-type: none">• Measurement of Physical Quantities .• Measurement of time and motion	<p>➤ BIOLOGY</p> <ul style="list-style-type: none">• Tissue in Animals• Life processes in Animals <p>➤ CHEMISTRY</p> <p>World of Metals & Non-Metals</p> <p>➤ PHYSICS</p> <ul style="list-style-type: none">• Heat Transfer in Nature	<p>➤ BIOLOGY</p> <ul style="list-style-type: none">• Tissue in Plants• Life Processes in Plants <p>➤ CHEMISTRY</p> <ul style="list-style-type: none">• Changes around us : Physical & Chemical <p>➤ PHYSICS</p> <p>Measurement of Time and Motion</p>	<p>➤ BIOLOGY</p> <ul style="list-style-type: none">• Adolescence :A Stage of growth and Change <p>➤ CHEMISTRY</p> <p>Light : Shadows and reflections</p> <p>➤ PHYSICS</p> <ul style="list-style-type: none">• Earth ,Moon and the Sun