SAGAR INTERNATIONAL SCHOOL

ENTRANCE EXAMINATION SYLLABUS (2027 – 28)

GRADE 7 TO 8		MAXIMUM MARKS
ENGLISH	1. READING COMPREHENSION 2. GRAMMAR • PARTS OF SPEECH • TENSES • ACTIVE AND PASSIVE VOICE • REPORTED SPEECH • SUBJECT–VERB AGREEMENT, MODALS AND CONJUNCTIONS 3. FORMAL LETTER WRITING 4. CREATE A SHORT STORY USING GIVEN LINE	**20 MARKS**
TAMIL	1. பத்தி படித்து விடையளி 2. இலக்கணப்பகுதி (குற்றியலுகரம் குற்றியலிகரம், நால்வகைக்குறுக்கங்கள்) 3. படத்தை பார்த்து உனது கருத்துக்களை எழுதுக 4. திருக்குறள்	**10 MARKS**
MATH	**1. INTERGERS** • BASIC OPERATIONS ON INTEGERS (+, -, X, ÷) • PROPERTIES OF INTEGERS **2. FRACTIONS** • ADDITION AND SUBTRACTION OF FRACTIONS (LIKE AND UNLIKE FRACTIONS) • MULTIPLICATION AND DIVISION OF FRACTIONS • WORD PROBLEMS **3. DECIMALS** • CONVERSION AND COMPARISON OF DECIMALS • ADDITION AND SUBTRACTION OF DECIMALS • MULTIPLICATION AND DIVISION OF DECIMALS • WORD PROBLEMS **4. SIMPLE EQUATIONS** • SOLVING EQUATIONS	**20 MARKS**

	• FINDING UNKNOWN VALUES • APPLICATION **5. LINES AND ANGLES** • COMPLEMENTARY AND SUPPLEMENTARY ANGLES • TYPES OF ANGLES – VERTICALLY OPPOSITE ANGLES, LINEAR PAIRS, ADJACENT ANGLES • ANGLES MADE BY A TRANSVERSAL WITH TWO PARALLEL LINES **6. THE TRIANGLE AND ITS PROPERTIES** • EXTERIOR ANGLE PROPERTY • ANGLE SUM PROPERTY • TRIANGLES INEQUALITY • PYTHAGORAS PROPERTY	
SCIENCE	**1.LIFE PROCESSES IN ANIMALS** NUTRITION IN ANIMALS, DIGESTION IN HUMANS AND RUMINANTS, RESPIRATION IN ANIMALS. **2.LIFE PROCESSES IN PLANTS** PHOTOSYNTHESIS AND NUTRITION IN PLANTS, TRANSPORT OF WATER, MINERALS AND FOOD IN PLANTS, RESPIRATION IN PLANTS, TRANSPIRATION AND ITS IMPORTANCE. **3.EXPLORING SUBSTANCES: ACIDIC, BASIC, AND NEUTRAL** PHYSICAL AND CHEMICAL PROPERTIES OF ACID AND BASE, TYPES OF INDICATORS, NEUTRALIZATION IN DAILY LIFE. **4.CHANGES AROUND US: PHYSICAL AND CHEMICAL** CHARACTERISTICS OF PHYSICAL AND CHEMICAL CHANGES, TYPES OF CHEMICAL REACTIONS, BASIC CONCEPTS OF ATOMS, ELEMENTS AND COMPOUNDS. **5.HEAT** EFFECTS AND TRANSFER OF HEAT, TEMPERATURE, THERMOMETERS. **6.MEASUREMENT OF TIME AND MOTION** REST & MOTION, SPEED, SIMPLE PENDULUM, RELATIONSHIP BETWEEN SPEED, DISTANCE, AND TIME, DISTANCE - TIME GRAPH, MEASURING TIME.	**10 MARKS**