SAGAR INTERNATIONAL SCHOOL

ENTRANCE EXAMINATION SYLLABUS (2027 – 28)

GRADE 6 TO 7		MAXIMUM MARKS
ENGLISH	**1. READING COMPREHENSION** **2. GRAMMAR** • TYPES OF SENTENCES • PARTS OF SPEECH • SIMPLE, CONTINUOUS AND PERFECT TENSES • ARTICLES AND PREPOSITIONS • ACTIVE AND PASSIVE VOICE • REPORTED SPEECH: STATEMENTS AND IMPERATIVES • SUBJECT–VERB AGREEMENT, CONJUNCTIONS, MODALS **3. FORMAL LETTER WRITING**	**20 MARKS**
TAMIL	1. பத்தி படித்து விடையளி 2. இலக்கணப்பகுதி - தமிழ் எழுத்துக்களின் வகையும் தொகையும், முதல் எழுத்தும் சார்பெழுத்தும் 3. படத்தை பார்த்து உனது கருத்துக்களை எழுதுக 4. திருக்குறள்	**10 MARKS**
MATH	**1. NUMBERS** • BASIC OPERATIONS (ADDITION, SUBTRACTION, MULTIPLICATION AND DIVISION) **2. PATTERNS IN MATHEMATICS** • TRIANGULAR NUMBER SEQUENCE • SQUARE NUMBER SEQUENCE • VIRAHANKA NUMBER SEQUENCE **3. PRIME TIME** • MULTIPLES AND FACTORS • DIVISIBILITY TEST • PRIME FACTORIZATION • HCF • LCM **4. PERIMETER AND AREA** • PERIMETER OF REGULAR POLYGONS • AREA OF REGULAR POLYGONS	**20 MARKS**

	• AREA OF COMBINED FIGURES **5. FRACTIONS** • CONVERSION OF FRACTIONS • COMPARING FRACTIONS • ADDITION AND SUBTRACTION OF FRACTIONS (LIKE AND UNLIKE FRACTIONS)	
SCIENCE	**1. DIVERSITY IN THE LIVING WORLD** DIVERSITY AMONG PLANTS AND ANIMALS, CLASSIFICATION OF LIVING ORGANISMS, TYPES OF ROOTS, TYPES OF LEAVES AND VENATION, HABITATS AND ADAPTATIONS, IMPORTANCE OF BIODIVERSITY. **2. MINDFUL EATING: A PATH TO A HEALTHY BODY** NUTRIENTS IN FOOD, SOURCES OF NUTRIENTS, TESTS FOR NUTRIENTS, BALANCED DIET, DEFICIENCY DISEASES, DIGESTION IN HUMANS, HEALTHY EATING HABITS, MINDFUL EATING AND FOOD WASTAGE**.** **3. MATERIALS AROUND US** CLASSIFICATION OF MATERIALS, PROPERTIES OF MATERIALS, APPEARANCE AND LUSTRE, HARDNESS, SOLUBILITY, TRANSPARENCY, FLOATING AND SINKING, USES OF MATERIALS IN EVERYDAY LIFE. **4. METHODS OF SEPARATION IN EVERYDAY LIFE** NEED FOR SEPARATION, HANDPICKING, THRESHING, WINNOWING, SIEVING, SEDIMENTATION, DECANTATION, FILTRATION, EVAPORATION, CHURNING AND MAGNETIC SEPARATION. **5. MEASUREMENT OF LENGTH AND MOTION:** NEED FOR MEASUREMENT, STANDARD AND NON-STANDARD UNITS, MEASUREMENT OF LENGTH, MEASURING INSTRUMENTS, CORRECT METHODS OF MEASUREMENT, TYPES OF MOTION, RECTILINEAR MOTION, CIRCULAR MOTION, PERIODIC MOTION AND ROTATIONAL MOTION. **6. TEMPERATURE AND ITS MEASUREMENT :** CONCEPT OF TEMPERATURE, HOT AND COLD OBJECTS, LIMITATIONS OF TOUCH, MEASUREMENT OF TEMPERATURE, TYPES OF THERMOMETERS, CLINICAL THERMOMETER, LABORATORY THERMOMETER, DIGITAL THERMOMETER, READING A THERMOMETER AND PRECAUTIONS WHILE USING THERMOMETERS.	**10 MARKS**