SAGAR INTERNATIONAL SCHOOL

2027 – 28 ENTRANCE EXAMINATION SYLLABUS

GRADE 9 TO 10		MAXIMUM MARKS
ENGLISH	• PASSAGE COMPREHENSION • ANALYTICAL PARAGRAPH • GRAMMAR-TENSES, REPORTED SPEECH, ACTIVE AND PASSIVE VOICE, SUBJECT VERB AGREEMENT	**20 MARKS**
TAMIL	• பத்தி வினா விடை • இலக்கணம் • படத்தை பார்த்து உனது கருத்துக்களை எழுதுக • கடிதம் (அலுவலக கடிதம், உறவினர் கடிதம் ஆகிய இரண்டில் ஒன்று எழுதவும்)	**20 MARKS**
MATH	• COORDINATE GEOMETRY • INTRODUCTION TO LINEAR POLYNOMIALS • THE WORLD OF NUMBERS • GEOMETRY • MEASURING SPACE	**20 MARKS**
SCIENCE	PHYSICS (6 MARKS) • MOTION: DISTANCE, DISPLACEMENT, SPEED, VELOCITY, ACCELERATION, EQUATIONS OF MOTION, MOTION GRAPHS AND UNIFORM CIRCULAR MOTION • FORCE AND LAWS OF MOTION: BALANCED AND UNBALANCED FORCES, INERTIA, NEWTON'S LAWS, MOMENTUM AND CONSERVATION OF MOMENTUM CHEMISTRY (6 MARKS) • MIXTURES -TYPES OF MIXTURES: HOMOGENEOUS AND HETEROGENEOUS • METHODS OF SEPARATION OF MIXTURES: FILTRATION, EVAPORATION, DISTILLATION, CENTRIFUGATION AND CHROMATOGRAPHY • 3. ATOM- ATOMIC MODELS- J.J. THOMSON, RUTHERFORD, BOHR • 4. ELEMENTS - 1 TO 20: ATOMIC NUMBER, MASS NUMBER, NUMBER OF PROTONS, ELECTRONS, NEUTRONS, ELECTRONIC CONFIGURATION, VALENCE ELECTRONS, VALENCY. • 5. ISOTOPES, ISOBARS, ISOTONES: DEFINITION, EXAMPLES AND APPLICATIONS OF ISOTOPES. BIOLOGY (8 MARKS) • CELL – THE FUNDAMENTAL UNIT OF LIFE: CELL STRUCTURE, ORGANELLES, DIFFUSION, OSMOSIS, CELL DIVISION • TISSUES IN ACTION: PLANT TISSUES, ANIMAL TISSUES, FUNCTIONS AND LOCATIONS • REPRODUCTION & DIVERSITY CONCEPTS: TYPES OF REPRODUCTION, ANIMAL & PLANT KINGDOM, CLASSIFICATION, ADAPTATION.	**20 MARKS**