



CHINMAYA INTERNATIONAL RESIDENTIAL SCHOOL COIMBATORE - INDIA

ASSESSMENT OBJECTIVES FOR ENGLISH FOR CLASS VII

- I. COMPREHENSION
- II. WRITING SKILLS
- III. VOCABULARY AND GRAMMAR

I. COMPREHENSION

The candidate will be given a suitable passage and asked to answer the questions based on the passage. There will also be exercises based on the passage.

II. WRITING SKILLS

The candidate appearing for the exam should be able to write a short composition based on a given topic or on a picture that is provided.

The candidate will also be asked to write an informal letter.

III. VOCABULARY AND GRAMMAR

Grammar (Degrees of comparison, tenses, use of preposition)
The candidate should also possess adequate vocabulary.

The entrance examination will test the student in the above areas. These areas are broadly delineated cannot be specified in a detailed or precise manner in the curriculum content.

SCHEME OF ASSESSMENT FOR ENGLISH FOR CLASS VII

Assessment Objectives	Weightage (%)	Duration of Paper	Marks
Exercises based on Comprehension	40	1 Hour	50 Marks
Writing Skills	20		
Vocabulary and Grammar	40		

ASSESSMENT OBJECTIVES FOR MATHEMATICS FOR CLASS VII

- I. Mathematical knowledge with understanding of concepts**
- II. Applications of concepts – Problem solving skill**

I. MATHEMATICAL KNOWLEDGE WITH UNDERSTANDING OF CONCEPTS

The candidate taking the entrance exam should be able to present mathematical knowledge and understanding of concepts in relation to:

- a. Organise and present information accurately in written, tabular, graphical and diagrammatic forms.
- b. Perform calculations by suitable methods.
- c. Understand systems of measurement in everyday use and make use of them in the solution of problems.
- d. Estimate, approximate and work to degrees of accuracy appropriate to the context.

II. APPLICATIONS OF CONCEPTS – PROBLEM SOLVING SKILL

The candidate taking the entrance exam should be able to solve the numerical problems using appropriate formulae, symbols, units, graphs etc. The candidate will be tested on the following skills:

- a. Interpret, transform and make appropriate use of mathematical statements expressed in words or symbols.
- b. Recognise and use spatial relationships in two and three dimensions, particularly in solving problems.
- c. Recall, apply and interpret mathematical knowledge in the context of everyday situations.
- d. Make logical deductions from given mathematical data.
- e. Recognise patterns and structures in a variety of situations, and form generalizations.
- f. Respond to a problem relating to a relatively unstructured situation by translating it into an appropriately structured form.
- g. Analyse a problem, select a suitable strategy and apply an appropriate technique to obtain its solution.
- h. Apply combinations of mathematical skills and techniques in problem solving.
- i. Set out mathematical work, including the solution of problems, in a logical and clear form using appropriate symbols and terminology.

The entrance examination will test the above objectives. These skills cannot be further specified in a detailed or precise manner in the curriculum content. However the questions are well within the syllabus of the entrance examination.

SCHEME OF ASSESSMENT FOR MATHEMATICS FOR CLASS VII

Assessment Objectives	Weightage (%)	Duration of Paper	Marks
Mathematical Knowledge	30	45 Minutes	50 Marks
Understanding of Concepts	30		
Application Skills	20		
Problem solving skills	20		

SYLLABUS OUTLINE OF MATHEMATICS FOR CLASS VII

Number and Number Sense

- The student will
 - a) write the number names in the Indian system and the International system of numeration.

Divisibility tests, HCF and LCM

- The student will
 - a) use divisibility tests for 2, 3, 4, 5, 6, 8, 9 and 10 to divide any number.
 - b) identify and describe prime and composite numbers and express any number as a product of its prime factors (prime factorization).
 - c) find common multiples and factors, including least common multiple(LCM) and greatest common divisor/highest common factor (GCD/HCF).

Fractions

- The student will
 - a) compare and order whole numbers, fractions, and decimals, using mathematical symbols $<$, $>$ and $=$.
 - b) use arithmetic operators ($+$, $-$, \times and \div) and simply numerical expressions involving fractions.
 - c) will solve multi step simplifications involving operations on integers using **BODMAS**, i.e. hierarchy of operations.(**B**racket of **D**ivision, **M**ultiplication, **A**ddition and **S**ubtraction)

Algebra

- The student will
 - a) simplify the algebraic expressions using basic operations.
 - b) solve one-step linear equations in one variable, involving whole number coefficients and positive rational solutions; and

Ratio and Proportion and commercial mathematics

- The student will
 - a) compare the given values using ratios, solve simple problems using ratios.
 - b) use the proportion to find unknown quantities.
 - c) solve simple problems using percentage, profit and loss.

Measurement and Geometry

- The student will
 - a. solve problems involving the perimeter and area of squares and rectangles.
 - b. find the circumference and area of circles.
 - c. find the volume of cube and cuboid.
 - d. draw right, acute, and obtuse angles and triangles.

Statistics

- The student, given a problem situation, will analyze, display, and interpret data in a variety of graphical methods, including line and bar graphs.

ASSESSMENT OBJECTIVES FOR SCIENCE FOR CLASS VII

- I. Factual Knowledge with Understanding of Concepts
- II. Application of concepts – Problem solving skills
- III. Other Skills

I. FACTUAL KNOWLEDGE WITH UNDERSTANDING OF CONCEPTS

The candidate taking the entrance exam should be able to present factual knowledge and understanding of concepts in relation to:

- a. Facts, phenomena and laws.
- b. Define terms:
Definition of physical, chemical and biological terms with SI units, symbols and equations.
- c. Explain a concept using examples from daily life or laboratory apparatuses
- d. Explain or suggest applications of science and technology in daily life with appropriate examples.

II. APPLICATION OF CONCEPTS – PROBLEM SOLVING

The candidate taking the entrance exam should be able to solve the numerical problems using appropriate formulas, symbols, units, graphs etc. The candidate will be tested on the following skills:

- a. Present the information given in the problem accurately.
- b. Convert units from one form to another.
- c. Manipulate data and equations (Physical and Chemical).
- d. Present the solution with appropriate steps.
- e. Present the result as desired by the problem with appropriate units.

III. OTHER SKILLS

Identification of appropriate diagrams and their labels. Diagrams include experiments in physics, chemical apparatuses / setups and biological structures.

The entrance examination will test the above objectives. These skills cannot be further specified in a detailed or precise manner in the curriculum content. However the questions are well within the syllabus of the entrance examination.

SCHEME OF ASSESSMENT FOR SCIENCE FOR CLASS VII

Paper	Assessment Objective	Weightage (%)	Duration of the paper	Marks
Entrance to class 7	Factual Knowledge	30	1 Hour	50 Marks
	Understanding of Concepts	30		
	Application	20		
	Other Skills	20		

SYLLABUS OUTLINE OF SCIENCE FOR CLASS VII

TOPICS: FOOD; MATERIALS OF DAILY USE; WORLD OF THE LIVING; MOTION; ELECTRICITY AND MAGNETISM; LIGHT; NATURAL RESOURCES.

FOOD

- Parts of plants and animals that produce food.
- Classification of animals according to the food they eat: Herbivore, Carnivore and Omnivore.
- Components of food: Carbohydrate, fat, proteins, vitamins and fibers.
- Diseases due to food deficiency. (Basic diseases)

MATERIALS OF DAILY USE

- Clothing materials obtained from plants and animals.
- Plant Fibers: Cotton and Jute.
- Animal Fiber: Silk and Wool.

WORLD OF THE LIVING

- Living and Non-Living things
- Where do plants and animals live? Habitats: Aquatic, desert, mountains etc.
- Structure of plants: Stem, roots, leaves.
- Structure of animals: Bones, muscles, skin.

MOTION

- Measurement of time: Different devices used to measure time.
- Measurement of distance.

ELECTRICITY AND MAGNETISM

- Simple electric circuit: Torch (wires, bulb, switch and batteries).
- Conductors and Insulators.
- Magnets: Poles of a magnet.
- Finding direction using a magnet: Compass

LIGHT

- Classification of objects as Transparent, Translucent or Opaque.
- Formation of shadows.

Questions will also be asked to test the general awareness in science pertaining to the age group.