



MAHESH MEMORIAL Public Higher Secondary School

Ghatbori Road, Bagh Tehsil Kukshi, Distt Dhar (M.P.)

(SYLLABUS FOR ADMISSION TEST)

Class — I

Duration of Test 1 Hours

TO PARENTS OF PROSPECTIVE DIPSTITES

Education at MMPHSS is aimed at producing students who not only exert In academics but will also be imbued with social and ethical values, skills and attitudes to contribute positively to society, therefore, the admission process is designed to test both aptitude and attitude.. While the tests assess proficiency, they will also reveal the child's problem Solving skills. Please note that the syllabus to the admission test has been designed by professional team of educationists and psychologists to make it stress- free for the children

S.N o	ENGLISH	S.N o	Mathematics	HINDI
1	Alphabets — Capital and small	1	Sequence of numbers 1 to 50 (Before numbers, After numbers, In between numbers, Ascending and Descending order, Missing numbers, Count and Write)	वर्णमाला, मात्राओं का ज्ञान (बारहखडी) ,फुलो के नाम,फलो के नाम,रंगों एवं जानवरो के नाम, अपना परिचय,वाक्यो को पढना एवं लिखना
2	Vowels and consonants	2	> , < and =	
3	Three letter words with a, e, i, o. u	3	Number Names 1 to 100	
4	A and An	4	Single Digit Addition and Subtraction (Horizontal and Vertical)	
5	'Is', 'Are'	5	Shapes (Simple ones) Circle, Triangle, Square	
6	This / That	6	Pattern	
7	These/ Those	7	Time (Day. Morning and Night)	
8	This/ These	8	Multiplication tables-2,3,4,5	
9	That / Those			
10	Opposites			
11	In. On and Under (Place Words)			
12	Plural with 4s'			
13	'My Self'(Introduction)			

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Class — II

Duration of Test 1.5 Hours

TO PARENTS OF PROSPECTIVE DIPSTES

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ENGLISH

- Naming words, one and many(s/es),use of capital letters and fiill stop,doing words(actionwords).
Describing words.
- Articles **a/an**, use of he,she, they,it,**is,are,my,am,was,were,this/these,that/those**
- Rhyming words, opposite, prepositions
- Picture reading ,make sentences, unscramble the letters to make words(4+5lettersonly)
- Picture Comprehension

MATHS

- **Number name(1to500) in HTO pattern**
- **Put sign<, > or = (1-500)**
- **Before(1-500),after(1-500)andmbetween,oddandevennumbers(till1-100)**
- **Ascending(1-500)/descending(1-500)order,addition double digit/subtraction double digit without boꝛowing or carry over,tens and ones.Place value (}ITO)Skip counting(in2,5,10)**
- **Mental Maths**
- **Shapes(flat and solid)&Time(hourly)**

HINDI

- स्वर (अ-अः) व्यंजन (क-ञ्ज), मात्राए (आ-अः)
- चित्रो को पहचान कर उनका नाम लिखना।
- दिए गए खाली स्थानों में उचित शब्द भरना, मात्राओ का ज्ञान, बारह खडी पूर्ण करना
- शब्दो को लिखना एवं पूर्ण करना,एक और अनेक शब्द,विलोम शब्द
- फूलो के नाम,फलों के नाम,जानवरो के नाम,रंगो के नाम
- वाक्य रचना, अपना परिचय
- हिन्दी की गिनती 1-10 तक

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Class — III

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ENGLISH

- Naming words, describing wards, action words, sentence construction.
- Use of is/are/am/was/were/has/have/had.
- Use of capital letters, full stop and question mark, pronouns (he, she, it, they, his, her, them).
- Articles (a, an) singular / plural, homophones, rhyming words, preposition, opposites, gender.
- Comprehension, picture comprehension
- Paragraph writing

MATHS

- Numbers Upto 999, number name, before & after, expansion (short or compact form) greater than, less than, skip counting, place/face value.
- Simple carry over 3 digit addition.
- Simple borrowing 3 digit subtraction.
- Addition word problem.
- Subtraction word problem.
- Multiplication by 1 digit number, multiplication table from 2 - 10,
- Geometry Basic shapes (2D).
- Mental Maths.
- Time.

HINDI

- अक्षर माला, बारहखडी, विपरीत शब्द एक और अनेक, लिंग बदले, वचन बदले, शब्द शुद्ध करे, 1-20 तक की गिनती, समान अर्थ वाले शब्द वाक्य रचना

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Class — IV

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ENGLISH

- Articles,Nouns, Singularand Plural,
Pronouns, Adjectives, Verbs, Tenses, Adverb,
Punctuation, Preposition, Conjunction, Gender,
Opposites _
- Composition, Comprehension, Sentence
Construction, Vocabulary, Paragraph writing.

HINDI

- संज्ञा, लिंग,वचन,सर्वनाम,विशेषण,विलोम शब्द,अपठित गद्यांश,
अशुद्ध शब्दो व वाक्यो को शुद्ध करना,अनुच्छेद लेखन

MATHS

- Number upto 9999, place and face value,
ascending and descending order, expanded form.
- Addition (4 digit no, simple carry over),
Subtraction (4 digit no, borrowing),
Multiplication (By single digit and double digit),
Division (Single digit division)
Table 2 -10.
- Word Problems on all operations
- Metric System.
- Geometry : Basic shapes (Plane and Solid)
drawing and measuring of line segment

(SYLLABUS FOR ADMISSION TEST)

Class — V

Duration of Test 2 Hours

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<p>ENGLISH Composition, Comprehension. Parts of Speech, Nouns, Pronouns, Verbs, EVS Plant life • How plants make food and photosynthesis. • Parts of a plant and their function. • Uses Of plants. Animal life Care Of Animals. • Birds — Nests, Beaks, Claws. process Of Adverbs, Adjectives, Tenses Articles, Subject- • (Simple/Continuous). Noun, Numbers and Gender, Punctuation. Agreement Of verb with Subject, Predicate. Construction Of sentences. Vocabulary.</p>	<p>MATHS Number system (upto ten lakhs) : notation, expanded form, places value, ascending and descending order. Addition, Subtraction (5 digit numbers) Multiplication (3 to 4 digit numbers), Division (4 to 5 digit numbers by 2 digit numbers). Problems On the four Operations. Fractions : Kinds Of fraction, comparison, addition and subtraction of like fractions. Time : 12 hour time, 24 hours time, calendar time. Length : weight and capacity : conversion, addition, subtraction, word problems. Money : conversion, addition, subtraction, bill sums, word problem. Area Of Square and Rectangle, Perimeter, Circle : Parts Of a circle. Patterns : Number, shapes, letters Of the alphabet. Representation : Bar graph, Pictograph.</p>
<p>EVS Plant Life How Plant makes food and process of photosynthesis Parts of a plant and their function Uses of Plants Animal Life Care of Animals Birds-Nests,Beaks,Claws Food-Nutrients, Sources of nutrients Water Sources of Water Uses of water</p>	<p>HINDI</p> <ul style="list-style-type: none">● अपठित गद्यांश, अनुच्छेद लेखन,शब्दो का वाक्यो में प्रयोग,लिंग,वचन,अशुद्ध वाक्यों का संशोधन,, विपरीतार्थक शब्द,पत्र लेखन,मुहावरे● वाक्यों में शब्दो को क्रमपूर्वक लिखना

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Class — VI

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ENGLISH

- Composition, Comprehension.
- Parts of Speech, Articles, Punctuation (Contracted form, possessive form). The sentence, Tense. Use of the apostrophe.
- Singular & Plural form/Genders, Sentence construction. Agreement of the verb with the subject.
- Vocabulary, Synonyms, Antonyms, Homonyms, Homophones.
- Energy.
- Air and Water.
- The solar system.
- Natural Disaster.
- Saving The Environment.

HINDI

- अपठित गद्यांश, अनुच्छेद लेखन, गद्यांश से लिए गए शब्दों का निजी वाक्यों में प्रयोग, शब्दार्थ, वाक्य लिंग, वचन, पत्र लेखन, (औपचारिक और अनौपचारिक), मुहावरे , पर्यायवाची शब्द, अशुद्ध वाक्यों का सशोधन,

MATHS

- Number system: Indian System (upto ten crores)
- International system (up to ten millions) place value and face value, expanded form, predecessor and successor, Ascending and Descending order.
- Factors and Multiples : Prime number, composite number, Test of Divisibility, Prime factorization, H.C.F. and L.C.M.
- Fraction: Proper, Improper, Mixed Fractions, Addition and Subtraction of fractions.
- Decimals: Conversion, Place value, Addition and Subtraction of decimals.
- Problem sums: Four Operations : Statement problems.
- Geometry: Line, line Segment, Ray, Angels (acute, obtuse, right, straight) Circles.
- Area and Perimeter of square and rectangle.

EVS – SCIENCE

- Animals.
- The Human Skeletal System.
- Nervous System.
- How do plants reproduce?
- Matter.
- Health and Diseases.
- Force.

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Class — VII

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ENGLISH

- Composition, Comprehension, Letter writing.
- Direct/Indirect Speech, Use of Apostrophe, Gender Parts of Speech, Articles, Punctuation.
- Sentence Construction, Vocabulary, Word building.

HINDI

- अनठित गद्यांश, अनुच्छेद लेखन, शुद्ध वाक्य रचना
विराम चिन्ह, संज्ञा, सर्वनाम, विशेषण, क्रिया,
क्रिया विशेषण, पत्र लेखन
(औपचारिक व अनौपचारिक)

MATHS

- Knowing our numbers.
- Prime and composite numbers, L.C.M. & H.C.F.
(Two, more than two numbers) problem.
- Integers.
- Fraction: BODMAS, word problems, Decimal
Fractions: changing decimal to fraction and fraction
to decimal, place value, four operations, metric system.
- Unitary Method (direct).
- Perimeter and area of square and rectangle.
- Algebra: Like and Unlike terms, "x to the power of"
Substitution, Simple equations, Addition and Subtraction.

SCIENCE

- Separation of substances.
- Changes around us.
- Habitat of living organisms.
- Components of food-vitamins, minerals, proteins,
Carbohydrates, fats, under & over nutrition, balanced
Diet.
- Human skeleton – Bone, cartilage, tendon, ligament, joints.
- Motions and measurement of distances.
- Light, shadows and reflection.
- Electricity and circuits.
- Fun with magnets.

TO PARENTS OF PROSPECTIVE DIPSTITES

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<p>ENGLISH Composition, Comprehension, Letter Writing. Parts of speech, Direct/Indirect speech, Use of apostrophe, Genders. Sentence Construction, Vocabulary, Idiomatic Expressions, Tenses Voice</p>	<p>SCIENCE Acids, Bases and Salts. Physical and Chemical changes. Heat. Motion and Time. Electric current and its effect. Light. Nutrition in plants, Photosynthesis, Saprotropism, insectivorous plants. Nutrition in animals-humans, herbivores, Amoeba. Human Respiratory system. Respiration in insects. Respiration in plants. Transport in plants. Human circulatory, excretory system. Differences between asexual and sexual reproduction. Adaptation Of animals to deserts, Polar Regions & dense tropical forests.</p>
<p>MATHS Fractions, decimals. Arithmetic : Simple Interest, Percentage, Profit and Loss, Ratio. Algebra : fundamental operation, exponents, simple linear equations. Geometry : Parallel lines and angles associated with them, concept of lines and angles, triangles, Pythagoras theorem (application), Perimeter and area of square, rectangle, triangle.</p>	<p>HINDI</p> <ul style="list-style-type: none">● अनुच्छेद लेखन, वाक्य रचना, शब्द विचार, शब्दों के भेद● लिंग, वचन, कारक, अनेक शब्दों के लिए एक शब्द, समानार्थक शब्द, विपरीतार्थक शब्द, उपसर्ग, प्रत्यय, मुहावरे● अपठित गद्यांश● पत्र लेखन (औपचारिक, अनौपचारिक)

Class — IX

Duration of Test 2 Hours

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<p><u>ENGLISH</u> Comprehension, Composition, Letter Writing. Parts of Speech, Reported Speech, Subject-Verb Agreement, Active-passive Voice. Vocabulary, Sentence Construction, Idiomatic Expressions. Tenses Modals Determiners</p>	<p><u>MATHS</u> Square and square root. Cubes and cube root. Rational Numbers. Comparing Quantities. Algebraic Identities & Algebraic Expression. Factorisation. Linear Equation in one variable & Word problems. Direct and Indirect variations. Mensuration. a. Area Of Circle, Trapezium, Rhombus. b. Surface Area & Volume Of solids (Cuboid, Cube, Cylinder).</p>
<p><u>SCIENCE</u> Combustion & Flame. Coal & Petroleum. Synthetic fibres & Plastics. Metals and Non-metals. Force and Pressure. Friction. Sound. Light. Stars and the Solar System. Cells — All structure, differences between Prokaryotic & Eukaryotic, animal & plant cells. Cells organelles : Plastids, Nucleus, Vacuole. Cytoplasm & protoplasm. Common agricultural practices difference between Rabi & Kharif crops, difference between manure & fertilizer. Common foods obtained from animals. Reproduction in animals. Adolescence. Conservation of plants & animals.</p>	<ul style="list-style-type: none">● अनुच्छेद लेखन, कारक, पर्यायवाची शब्द, विपरीतार्थक शब्द, उपसर्ग, प्रत्यय, मुहावरे, औपचारिक एवं अनौपचारिक पत्र● अपठित गद्यांश, वाक्य शुद्धीकरण, वाक्य परिवर्तन

Syllabus for

Subject	CBSE
Mathematics	1) Real Numbers 2) Polynomials 3) Pair of Linear Equations in two variables 4) Quadratic Equation 5) Arithmetic Progression 6) Triangles 7) Co-ordinate Geometry 8) Trigonometry (full- including heights and distances)
Physics	(1) Electricity (Ohm's Law, Resistance and factors effecting Resistance, Resistivity, Combination of Resistances Series and Parallel, Heating effect of Current and Electric Power and Energy) (2) Reflection (Reflection in Spherical Mirrors) (3) Refraction (Refractive Index, Glass slab and Lens)
Chemistry	1) Chemical reactions and equations. 2) Acids, bases and salts 3) Metals and non metals.
Biology	1. Life processes (Class 10). 2. How do organisms reproduce (Asexual mode of reproduction) (Class 10). 3. Control & Coordination (Class 10)
Economics (for Science/ Humanities - Economics opting students)	1) Development: a) What Development Promises – Different people different goals b) National Development c) How to compare different countries or states? Income and other criteria, Public Facilities d) Sustainability of development. 2) Sectors of the Indian Economy: a) Comparing the three sectors Primary, Secondary and Tertiary Sectors. b) Division of sectors as organized and unorganized. c) Sectors in terms of ownership: Public and Private Sectors 3) Money and Credit: a) Money as a medium of exchange b) Modern forms of money c) Loan activities of Banks d) Terms of credit e) Formal sector credit in India f) Self Help Groups for the Poor.
History (for Humanities)	1. The rise of Nationalism in Europe. 2. Nationalism in India 3. Age of Industrialisation 4. Print Culture and the Modern World
Geography (for Humanities)	1. Resource and Development. 2. Agriculture. 3. Manufacturing Industries 4. Lifelines of National Economy
English (for Commerce and Humanities)	1. Comprehension (short questions and vocabulary test) 2. Composition (Paragraph Writing, Article) 3. Grammar (Determiners, Modals, Subject-Verb Agreement, Tenses, Reported Speech)
General Awareness (For all boards)	1. Questions regarding current affairs. 2. Abbreviations of different international and business 3. Questions on commercial mathematics like percent 4. Basic economic concepts on class IX -X syllabus