

Syllabus for admission test

Class	Subjects	Topics
I	English	articles(a,an), opposites(describing words), naming words, position words, action words, make sentences and picture composition.
	Mathematics	numerals 1-50, counting, [after, before, between numbers], addition (2 digit number) , number names 1-50, concept of tens and ones.
II	English	naming words, action words, describing words, opposites, helping verbs(is,am,are,was,were), picture composition.
	Mathematics	skip counting,completing the pattern, greater and smaller numbers, before and after numbers, ascending and descending order, writing the numbers in words, concept of place value, addition, subtraction, multiplication table and expansion.
	Hindi	swarvarn, vyanjanvarn, matra "aa" se "aw", three or four letter words with picture, make sentences, beginning and ending letters, fill in the blanks (with pictures)
	Bengali	ছবি দেখে ছবির নাম ও রঙ লেখা, সঠিক বানান চিহ্নিত করা, নির্দেশ অনুসারে ছবি আঁকা, ছবির সাথে শব্দ মেলাও, দুটি করে শব্দ জুড়ে বাক্য গঠন করা।
III	English	comprehension, picture composition, synonyms, antonyms, articles (a, an, the), helping verbs (is/am/are/was/were/has/have/had) and punctuations.
	Mathematics	number sense(place value, face value, ascending, descending, even and odd) addition, subtraction, multiplication, division and expanded standard form.
	Hindi	apathit gadyansh, vakya gathan ,maatra ,sanyuktakshar , `R' ke vibhinn roop , sangya, sarvanaam, ling, vachan, paryayvachi, vilom, shuddh-ashuddh, chitra varnan.
	Bengali	বোধপরীক্ষণ, যুক্তবর্ণ যোগে শব্দ গঠন, বাক্য রচনা, লিঙ্গ পরিবর্তন, বচন, চিত্র পাঠ।
IV	English	comprehension, make sentences, descriptive writing, pronouns, subject -predicate, adjectives, verbs and tenses (simple and continuous).
	Mathematics	number sense - comparison of numbers with proper sign, successor and predecessor, expanded form, standard form, writing the numbers in words, place value and face value, greatest and smallest number (5 digit), ascending order, descending order, simple addition , subtraction of 4 digit number with borrowing concept, Simple multiplication (5x4 digits), division , measurement (length,weight,volume), conversion of unit,addition,subtraction,multiplication,division, time -AM,PM- conversion, drawing a clock.
	Hindi	apathit gadyansh, apathit padyansh, sangya, sarvanaam, visheshan, ling, vachan, paryayvachi, vilom, shabd, shuddh-ashuddh, chitra varnan.
	Bengali	বোধ পরীক্ষণ, অর্থ লেখা, বিপরীত শব্দ, বচন, লিঙ্গ, পদ নির্ণয়, শুদ্ধ বানান ও ছবি দেখে ছবি সম্পর্কে লেখা।
V	English	comprehension, paragraph, subject-predicate, nouns, adjectives, pronouns, simple and continuous tenses and prepositions.
	Maths	number sense (Indian and International system, expanded and standard form, place value and face value, greatest and smallest number), fraction, decimal, concept of money , divisibility rules, concept of time and measurement, H.C.F. and L.C.M., factors and multiples , identification of 2D, 3D-shapes and angles.
	Hindi	apathit gadyansh, apathit padyansh, sangya, sarvanaam, visheshan, kriya, kaal, karak, ling, vachan, paryayvachi, vilom, anekarthak shabd, shuddh-ashuddh, chitra varnan, muhavara, varna-vichhed, patra lekhan(Informal).
	Bengali	বোধপরীক্ষণ, পদ নির্ণয়, ভুল সংশোধন, এক কথায় প্রকাশ, লিঙ্গ পরিবর্তন, পুরুষ নির্ণয়।
	General Awareness	human body systems and function of organs, adaptation in plants, life cycle, photosynthesis, teeth in human.

VI	English	comprehension passage, prepositions, adjectives, tenses(simple, continuous and perfect), conjunctions and adverbs.
	Mathematics	number system(headers, HCF, LCM, basic operations, factors, multiples, ascending and descending numbers), measurement, unitary method, average, percentage, geometry, round off, decimal, fraction, finding area of square and rectangle.
	Hindi	apathit gadyansh, apathit padyansh, sangya, sarvanaam, visheshan, kriya, kaal, ling, vachan, paryayvachi, vilom, shuddh-ashuddh, chitra varnan, muhavara, varna-vichched.
	Bengali	বোধপরীক্ষণ, পদ নির্ণয়, ভুল সংশোধন, বাক্য সংকোচন, লিঙ্গ পরিবর্তন, পুরুষ নির্ণয়, যতি চিহ্ন, ব্যক্তিগত চিঠি।
	General Awareness	reproduction in plants,matter,simple machine,health and hygiene,skeletal and nervous system.
VII	English	Comprehension passage, paragraph writing, error correction, rearranging of words, gap-filling and determiners
	Mathematics	number sense-number name (both national and international system), expanded form as power of 10, counting numbers, forming numbers, comparing numbers, estimation, whole numbers,integer problems, simplification, factors and multiples , algebraic expressions, linear equations, ratio and proportion, polygons, quadrilateral and data handling.
	Hindi	apathit gadyansh, apathit padyansh, sangya, sarvanaam, visheshan, kriya, kaal, karak, ling, vachan, paryayvachi, vilom, anekarthak shabd, shuddh-ashuddh, chitra varnan, muhavara, varna-vichched, patra lekhan(Informal).
	Bengali	বোধপরীক্ষণ, পদ নির্ণয়, ভুল সংশোধন, এক কথায় প্রকাশ, লিঙ্গ পরিবর্তন, পুরুষ নির্ণয়, যতি চিহ্ন, ব্যক্তিগত চিঠি।
	General Awareness	plant morphology, movement and locomotion,light,magnet,unit and measurement,chemical substances, changes around us.
VIII	English	comprehension passage, paragraph writing/picture composition, error correction, rearranging of words, gap-filling and omission
	Mathematics	rational numbers, percentage, simple interest, profit and loss, exponent, parallel lines, properties of triangles and parallelogram, construction(2D figure: rectangle, square, triangle, quadrilateral and circle), lines and angles and algebraic operation.
	Hindi	apathit gadyansh aur kavyansh, vyakaran- sangya(bhavvachak), kriya, muhaavara, paryayvachi, ling, vachan, vilom, writing- patra lekhan(Informal).
	Bengali	বোধ পরীক্ষণ , ব্যাকরণ – কারক, বাক্য পরিবর্তন, শব্দার্থ, সন্ধি, ভাবার্থ, যতি চিহ্ন চিঠি।
	General Awareness	acid-base-salt,physical and chemical changes, light, motion,transportation in plants and transportation in animals.
IX	English	comprehension passage, paragraph writing/picture composition, error correction, rearranging of words, gap-filling and omission.
	Mathematics	mensuration (cube, cuboid, cylinder, cone, hemisphere, sphere), exponents, linear equations in one variable, cube roots and square roots, percentage, profit and loss, compound interest, properties of triangles
	Hindi	apathit gadyansh aur kavyansh, nibandh lekhan, atmakatha lekhan, karak, sandhi, muhavra, vakyansho ke liye ek shabd, ling.
	Bengali	বোধ পরীক্ষণ, ব্যাকরণ – কারক, বাক্য পরিবর্তন, শব্দার্থ, বিসর্গ সন্ধি, ভাবসম্প্রসারণ, একই শব্দ ভিন্নার্থে প্রয়োগ, চিঠি।
	General Awareness	force and pressure, friction, metals, non- metals, fibre and fabrics, reproduction in animals, microorganisms, chemical effects of current, combustion and flame.