Kvs tgt sanskrit syllabus pdf

Hello Aspirants, KVS TGT Sanskrit 2020 Notification of KV Sangathan invites about 6,000 candidates for the vacancies available in the TGT PGT PRT. Other than that, KVS also invites candidates for the TGT Sanskrit position. All candidates who will apply for the TGT post are now looking for syllabus for Kvs TGT Sanskrit. If you have already planned to apply for the Post and Search the Syllabus of the Kvs TGT Sanskrit exam. Then you're in the right place. In this article, we will discuss kvs TGT Maths Syllabus and kvs tgt recruitment exam pattern. you can also download kvs TGT's complete math program in PDF format. Aspiring important links can also check these important links related to the KVS TGT 2020 Recruitment Notification. Highlights of the Name of the ExameKVS Exam -Graduate Teachers (TGTs)Conducting BodyKVS – Delhi Central High School Council (CBSE)Application ModeOnline & OfflineOfficial Websitewww.kvsangathan.nic.inApplication Fee1000/- For all categories except SC/ST/PH/Ex-SNo. tgt mathsto is notified soon mode of ExameOnline and OfflineNo. Available VacanciesTo be notified soon Important Dates Candidates applying for the KVS TGT 2020 exam need to check these important dates related to KVS TGT. Dates are expected. EventDatesKVS TGT ApplicationTo be updated soon Last date to apply onlineTo be updated soonKVS TGT Admit CardTo be updated soon TGTKVS Exam DateTo be updated soonKVS TGT ResultTo be updated soon Before going deep with the information we will first take a look at the main features of KVS Recruitment 2020. Syllabus for KVS TGT Maths Before we talk about the KVS TGT Maths program in detail, let's take a quick look at the kvs tgt 2020 recruitment exam pattern. It will help aspirants understand the KVS Exam curriculum in terms of section. KVS Professor Syllabus 2020 (English, Hindi, Sanskrit, Mathematics, Social Studies and Science) Test Component of the Test (Written Exam) No. of Questions Total Mark Time Duration Part I General English 10 10 150 Minutes General Hindi 10 10 Part II General Knowledge & News 40 40 Reasoning capacity 40 40 Computational literacy 10 10 Pedagogy 40 40 Total 150 150 KVS TGT Maths Syllabus Test duration 150 minutes Total questions 150 Objectives type multiple questions Total Marks 150 Marks Section Name (Nature of Questions) Marks per item No. Item Part-I: General English General Hindi 1 notes 1 questions 10 Questions Part-II: General Knowledge & Current Affairs Computational Literacy Skill Pedagogy 1 note by questions 40 Questions 40 Questions 10 Questions (i) Pedagogical Concerns(a) Curriculum: Meaning, Principal, Curriculum Types, Organizations and Approaches(b) Planning: Instructional Plan- Annual Plan, Plan Lesson Plan(c) Instructional materials and resources: Textbooks, workbooks, supplemental AV aids materials, Laboratories, Laboratories, Clubs-Museums-Community, Information and Communication Technology(d) Evaluation: Types, tools, Characteristics of a good test, Continuous and Comprehensive Evaluation, analysis and interpretation of the School Achievement Test. (ii) Inclusive Education (a) Understanding of Diversities: Types of concept(b) Disability as social construction, disability classification and its educational implications:(i) Sensory Impairment (Hearing Impairment, Visual Impairment)(ii) Cognitive Impairment: (Autism Spectrum Disorder, Intellectual Disability and Specific Learning Disability)(iii) Physical Disability: Cerebral and locomotor Palsy)(c) Philosophy of inclusion with Special Reference to Children with Disabilities. d The Inclusion Process: Concern for disabilities. and Constitutional Provisions(iii) Communication & Interaction: Communication Theory, Types of Communication in the classroom. (iv) Understanding the Concept of Learning: Nature of Learning-input-Process-result, Learning Factors- Personal and Environmental, Approaches to learning and its applicability- Behavioralism (Skinner, Pavlov, Thorndike) Constructivism (Plaget, Vygotsky), Gestalt (Kohler, Koffka) and Observational, Dimensions of Learning- Cognitive, Affective and Performance, Motivational and Sustenance. Interview: 60 marks Note: The List of Final Merit will be based on the performance of candidates in written test, Performance Test and interview. The weighting of the Written Test, Performance Test, and Interview will be 85:15. Syllabus Topics S.NoTopics1Whole Numbers2Playing with Numbers3Integers4Data Handling5Algebra6Ratio & Proportions7Fractions8Decimals9Lines & Angles10Exponent & Powers11Fractions & Decimals12Triangles & Its Properties13Rational Numbers14Congruence of Triangles15Algebraic1 Expression16Perimeter & Area17Rational Numbers18Linear Equations19Square & Square roots20Cubes & Cubes roots21ComparingQuantities22Exponent & Powers23Direct & Inverse Proportion24Visualisations Solid Shapes25Factorisation26Playing with Numbers27Algebra Polynomials28Introduction to Euclid Geometry, Lines and Angles, Triangles29Measuring30Quadrilaterals, Area, Circle, Constructions31Statistics & Probability32Number system & Real Numbers33Polynomials, Pair of Linear Equations in two variables34Trigonometry35Coordinate Geometry36Triangles, Circles & Constructions Topic-wise Weightage TOPIC Level of questions as per weightage: 80%As per CBSE Level from the following: Level of questions as per weightage: 20% As per undergraduate level Number System Number System REAL NUMBERS: Review of representation of natural numbers, integers, rational numbers on the number line. Representation of tertable/non-tertable recurrent decimals on the number line through successive magnification. Rational numbers such as recurring decimals/terminators. Definition of root nth of a real number. Recollection of exponent laws with Integral. Rational exponents with positive real bases (to be done by particular private allowing the student to reach general laws.) Rationalization (with precise meaning) of real numbers of the type (and their combinations) Theory of Elementary Numbers: Peano's Axiomas, Induction Principle; First Principle, the Second Principle, Third Principle Representation Of The Largest Base Function Test Of The Euclid Divisibility Algorithm The Single Factorization Theorem, Congruence, Chinese Remaining Theorem The Sum of Dividers of a Number. Totient function of Euler Fermat's theorem and Wilson Matrices R, R2, R3 as vector spaces over R and concept of Rn. The standard basis for each of them. The concept of Linear Independence and examples from different bases. Subspaces of R2, R3. Translation, Dilation, Rotation, Reflection at one point, line, and plane. The matrix form of basic geometric transformations. POLYNOMIALS Algebra: Definition of polynomial in a variable, its coefficients, with examples and counter-examinations of its terms, polynomial zero. The polynomial degree. Constan\t, linear, quadratic, cubic polynomial; binomials, trinomials. Factors and multiples. Zeros/roots of a polynomial/equation. state and motivate the remaining theorem with examples and analogy to the integers. Declaration and proof of the Theorem Factor. Factorization of ax2 + bx + c, a ≠ 0 where a, b, c are real numbers, and cubic polynomies using the Theorem Factor.2. LINEAR EQUATIONS IN TWO VARIABLES Recall of linear equations in a variable. Introduction to the equation in two variables. Prove that a linear equation in two variables has infinitely many solutions and justify its being written as ordered pairs of real numbers, plotting them and showing that they appear to be in a line. POLYNOMIALS Zeros of a polynomial. The relationship between zeros and coefficients of a polynomial with particular reference to quadratic polynomics. Simple declaration and problems in the division algorithm for polynomic scoefficients with real coefficients.2. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES Pair of linear equations in two variables. Geometric representation of different possibilities of solutions/inconsistencies. Algebraic conditions for a number of solutions. The solution of a pair of linear equations in two variables algebraically3. QUADRATIC EQUATIONS(i) Standard form of a quadratic equation ax2 + bx + c = 0, (a ≠ 0). A solution of quadratic equations(ii) (only real roots) by factoring and completing the square, that is, using the quadratic formula. (iii) The relationship between discriminant and the nature of the roots. (iv) Problems related to day-to-day activities to be incorporated.4. ARITHMOTIC PROGRESSIONS The motivation to study AP. Derivation of the standard results of finding the first term and the sum of the terms initially. Inequalities: Elementary Inequalities, Absolute Value, Meaninequality, Cauchy-Schwarz Inequality, Chebychef InequalityEquations: Polynomarian Functions, Remainder 'amp; Factor Theorems and Their Converse (Advanced), Relationship roots roots coefficients, symmetrical functions of the roots of an equation., common roots. Functional Equations.Combinatoria; Principle of Inclusion and Exclusion, Relations of Recurrence of the Pigeon Hole Principle, Binomian Coefficients.Under Graduate Level:Calculation(i) Sequences to be introduced through the examples arising from Science(ii) starting with finite sequences, followed by concepts of recursion equations and (iii). For example, the sequence resulting from the game Tower of(iv) Hanoi, the Fibonacci sequence resulting from the branched habit of trees. Functions and sequences:(i) Sets. Functions and their graphs: polynomial, sinenomial, cossin, exponential (ii) and logarithmic functions. Motivation and illustration for these functions(iii) through projectile movement, simple pendulum, biological rhythms, cell division(iv), muscle fibers, etc. Simple observations on these geometry geometry functions1. INTRODUCTION TO EUCLIDES GEOMETRY: History – Euclid and Geometry in India. Euclid's method of formalizing phenomena observed in rigorous mathematics with definitions, common/obvious nodes, axiomas/postulates and theorems. Euclid's five postulates. Equivalent versions of the fifth postulate. Showing the relationship between axiom and theorem.1. Given two distinct points, there is one and only one line through them.2. (Prove) Two distinct lines cannot have more than one common ground.2. LINES AND ANGLES 1. (Motivation) If a radius is in a line, then the sum of the two adjacent angles so formed is 180° and converse.2. (Prove) If two lines intersect, the vertically opposite angles are equal.3. (Motivation) Results at corresponding angles, alternate angles, internal angles when a transverse crosses two parallel lines.4. (Motivation) The lines, parallel to a given line, are parallel.3. TRIANGLES 1. (Motivation) Two triangles are congruent if there are two sides and the included angle of a triangle is equal to either two sides and the included angle of the other triangle (SAS Congruence).2. (Prove) Two triangles are congruent if there are two angles and the included side of a triangle is equal to any two angles and the included side of the other triangle (ASA CONgruence).3. (Motivation) Two triangles are congruent if the three sides of a triangle are equal to three sides of the other triangle (SSS Congruence).4. (Motivation) Two right triangles are congruent if the hypotenuse and one side of a triangle are equal (respectively) to the hypotenuse and to one side of the other triangle.4. QUADRILATERALS 1. (Prove) The diagonal divides a parallelogram into two congruent triangles.2. (Motivation) In a parallelogram opposite sides are equal, and conversely.3. (Motivation) In a parallelogram, opposite angles are equal and converse.4. (Motivation) A quadrilateral is a parallelogram if a pair of its opposite sides are parallel and equal.5. AREA Review the concept of area, recall area of a rectangle.1. (Prove) on the same basis and between the same parallels have the area.2. (Motivation) Triangles on the same base and between the same parallels are equal in the area and its inverse.6. CIRCLES Through examples come to definitions of concepts related to circle, radius, circumference, diameter, chord, arc, subtended angle.1. (Prove) Equal chords of a circle subtend equal angles in the center and (motivate) their inverse.2. (Motivation) The perpendicular of the center of a circle to a chord bissecta the chord and, on the other hand, the line is drawn through the center of a circle to bissection a chord is perpendicular to the chord.3. (Motivation) There is one and only one circle passing through three non-collinear points.4. (Motivation) Equal chords of a circle (or congruent circles) are equidistant from the center(s) and inversely.7. BUILDINGS 1. Construction of bissectors of line segments and angles, angles of 60°, 90°, 45° etc., equilateral triangles.2. Construction of a triangle given its base, sum/difference of the other two sides and a base angle.3. Construction of a triangle of a given perimeter and base angles. TRIANGLES Definitions, examples, counter-examinations of similar triangles.1. (Prove) If a line is drawn parallel to one side of a triangle to cross the other two sides at different points, the other two sides are divided into the same proportion.2. (Motivation) If a line divides two sides of a triangle in the same proportion, the line is parallel to the third side.3. (Motivation) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional, and the triangles are similar.4. (Motivation) If the corresponding sides of two triangles are proportional, their corresponding angles are the same and the two triangles are similar.5. (Motivation) If an angle of a triangle is equal to an angle of another triangle and the sides, including those angles, are proportional, the two triangles are similar.2. Tangent CIRCLES to a circle motivated by chords pulled from points closer and closer to the point.1. (Prove) The tangent at any point in a circle is perpendicular to the radius through the point of contact.2. (Prove) The lengths of tangents extracted from an outer point to circle are equal.3. BUILDINGS 1. Splitting a line segment into a given ratio (internally)2. Tangent to a circle of a point outside it.3. Construction of a triangle similar to a given triangle Geometry: Ceva theorem, Menalus's Theorem, Nine-Point Circle, Simson Line, Two-Circle Similitude Centers, Lehmus Steiner's Theorem, Ptolemy Theorem Theorem coordinates geometry coordinated geometry The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations, plot points in the plane, the chart of linear equations as examples; focus on linear equations of type ax + by + c = 0 writing it as y = mx + c and linking with the chapter linear equations in two variables. LINES (In two dimensions) Review the concepts of coordinate geometry made earlier, including linear linear graphics Awareness of the geometric representation of quadratic polynomics. Distance between two points and section formula (internal). Area of a triangle. Solid Geometry 1. AREAS: Area of a triangle using the Hero formula (without proof) and its application in the location of the area of a quadrilateral.2. SURFACE AREAS AND VOLUMES Surface areas and volumes of cubes, cuboides, spheres (including hemispheres) and right circular cylinders/cones. AREAS OF AIRPLANE FIGURES Motivate the area of a circle; sectors and segments of a circle. Problems based on areas and perimeter/circumference of the above mentioned numbers of the aircraft. (When calculating the area of a segment of a circle, problems should be restricted to a central angle of only 60°, 90° and 120°. Airplane figures involving triangles, simple quads, and circle should be taken.) 2. SURFACES AND VOLUMES (i) Problems in locating surface areas and combination volumes of any of the following: cubes, cuboides, spheres, hemispheres and right circular cylinders/cones. Frustum of a cone. (ii) Problems involving the conversion of one type of metal solid into another and other mixed problems. (Problems with a combination of no more than two different solids are taken.) Trigonometry TRIGONOMETRY1. TRIGONOMETRIC RELATIONSHIPS The trigonometric relationships of an acute angle of a right angle triangle. Proof of its existence (well defined); proportions, which are defined at 0° and 90°. Values (with evidence) of trigonometric relations of 30°, 45° and 60°. Relations between proportions.2. TRIGONOMETRIC IDENtities Proof and applications of identity sin2A + cos2A=1. Just simple identities to be given. Trigonometric proportions of complementary angles.3. HEIGHTS AND DISTANCES Simple and believable problems in heights and distances. Problems should not involve more than two right triangles. The elevation/depression angles should be only 30°, 45°, 60°. Probability & Statistics 1. STATISTICSIntroduction to statistics: Data collection, data presentation — tabular form, ungrouped/grouped, bar charts, histograms (with different base lengths), frequency polygons, qualitative analysis of the data to choose the correct form of presentation for the collected data. Average, median, ungrouped data mode. Average, median, and data grouping mode (a bimodal situation to avoid). Cumulative frequency chart.2. Probability history, repeated experiments, and frequency approach observed to probability. The focus is on empirical probability. (Lots of time to be devoted to the group and individual activities to motivate the concept; the experiments to be extracted from real-life situations and examples used in the statistics chapter). At Graduate Level: Elementary Probability Statistics and Basic Laws. Discrete random variable and Mathematical, Average and Variance Expectation of Binomial, Poisson and Normal Distribution. The sample means and Sample variation. Hypothesis testing using standard normal variation. Curve fitting. Curve. and Regression. For any Query related to KVS Recruitments 2020, please comment on the comments box mentioned below. Our expert will help you make the Best Preparation Strategy for KVS Recruitment 2020. Mantra of success:👉 Dream. Just do it. Reach it, 👉 keep working hard👉 never give up Do you have any appointments? Ask here for quick and better discussions. Good luck...!!! Notice: If you have found any inappropriate or wrong information/data on the site, please let us know by sending an email to[@]edufever.com for rectification/deletion/updating of the site. Do you have any questions? Ask here for quick answer, note: Write questions in full detail for best answers

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