GUIDELINES FOR PROVISIONAL ADMISSION INTO CLASS XI (SESSION 2026-27)

- DAV Entrance Test (DET), for provisional admission into class XI Science and Commerce for the session 2026-27 will be conducted on date 18 Jan 26 (Sunday) through Offline mode.
- Eligibility to appear DET-2026 - Students pursuing their studies in class X in any Board can apply.
- Self attested Documents to be attached with registration form:
  1. Photocopy of Candidate's Aadhar card
  2. Photocopy of Class X Half Yearly Report card & Class IX Annual Report Card.
  3. Photocopy of School ID Card
  4. Original Money Receipt of the registration form.

Questions of DET will be based on Class X syllabus. (copy attached)

No. of questions : 60

Total mark : 240

Pattern of Question : Objective Type

Time : 2 hours

Mode of Test : Offline

Note : Each correct answer carries 4 marks and incorrect answer carries -1 mark

SUBJECTS OFFERED UNDER VARIOUS STREAMS

Science

S.No	Subject Combination
1	English, Physics, Chemistry, Mathematics, Biology , Physical Education
2	English, Physics, Chemistry, Mathematics, Computer Science, Physical Education
3	English, Physics, Chemistry, Physical Education, Biology

Commerce

S.No	Subject Combination
1	English, Business Studies, Accountancy, Economics, Mathematics, Physical Education
2	English, Business Studies, Accountancy, Economics, Computer Science, Physical Education

Note: Final admission will be taken after publication of class X Board Exam reults, subject to fulfillment of criteria streamwise.

BLUE PRINT FOR DET - 2026

Science

Sl. No.	Subject	No. of Questions
1	Mental Ability	5
2	General English	5
3	Mathematics	20
4	General Science (Phy, Chem & Bio)	30

Commerce

Sl. No.	Subject	No. of Questions
1	Mental Ability	5
2	General English	20
3	Mathematics	20
4	General Studies (Hist, Civics, Geo & Eco)	15

Stream wise Criteria For Final Admission:

Stream	Criteria
Science	The student must have secured 70% marks in aggregate in class X board exam with 70% and more marks each in Maths and Science.
Commerce	The student must have secured 60 % marks in aggregate in class X board exam with 60% and more marks each in English, Maths & SSt.

FEE STRUCTURE (2026-27)

Class	Registration Fee + Development Fee (To Be Paid During Provisional Admission)	1st Qr. Course Fees (April to June-2026)	2nd Qr. Course Fees (July to Sept-2026)	3rd Qr. Course Fees (Oct to Dec-2026)	4th Qr. Course Fees (Jan to Mar-2027)
XI Science	★ 35,000/-	15,940/-	15,940/-	15,940/-	15,940/-
XI Commerce		14,490/-	14,490/-	14,490/-	14,490/-
Bus Fee	1,500/- @ Month	4,500/-	4,500/-	4,500/-	4,500/-

IMPORTANT DATES (DET Phase II)

Date & Time of Closing of Registration : **16.03.2026**, Time – 03:00 pm.

Date & Time of Entrance Test: **19.03.2026, Thursday, 8 am to 10 am (Science), 11 am to 1 pm (Commerce)**

Date & Time of release of list of selected candidates : 24.03.2026, 6:00 pm in school website. www.davjharsuguda.org

Date of admission : **Will be notified along with the list of selected candidates**

Date of Commencement of classes will be notified in due course

★ In the Board results, if the student fails to obtain minimum desired percentage of Marks as mentioned in the <u>criteria for final Admission, then the provisional admission will be rejected and after deducting 50% of the Registration Fee and Development Fee</u> rest amount will be refunded within 15 days on written request.

DAV PUBLIC SCHOOL, JHARSUGUDA
SYLLABUS FOR DET PHASE - II (SCIENCE STREAM) – 2026-27

Maximum Marks : 240

SUBJECT	SYLLABUS	MARKS
MENTAL ABILITY	1) Coding Decoding 2) Find the series 3) Odd one out 4) Water Images 5) Blood Relation	20
GENERAL ENGLISH	Narration, Voice change, Verb forms, Antonyms, Synonyms, Correct spelling, Literary device	20
MATHEMATICS	**REAL NUMBER:** Fundamental theorem of arithmetic, irrational number and problems on number theory. **POLYNOMIAL:** Zeros of a polynomial, relationship between zeros and coefficients of a quadratic polynomial **PAIR OF LINEAR EQUATIONS IN TWO VARIABLES:** Pair of linear equations in two variables and consistency/inconsistency. Solution of a pair of linear equations in two variables graphically and algebraically- by substitution, by elimination. Simple situational problems. **QUADRATIC EQUATION:** Standard form of a quadratic equation $ax^2 + bx + c = 0$ (a$\neq$ 0), solution of quadratic equations (only real roots) by factorisation and using quadratic formula, relationship between discriminant and nature of roots, problems related to day-to-day activities. **ARITHMETIC PROGRESSIONS:** Problems on n^{th} term and sum of the first n^{th} terms of A.P. and their application in solving daily life problems. **TRIANGLES:** BasicProportionality Theorem, converse of it and its application. Criterions of Similarity of triangle and problems on similarity. **CO-ORDINATE GEOMETRY:** Distance formula, section formula (internal division) only and their applications. **TRIGONOMETRY**: Trigonometric ratios and identities, height and distances (Application of trigonometry). **CIRCLE:** Tangents to the circle and Problems on it. **AREAS RELATED TO CIRCLES:** Area of Circles, Sectors and Segment. **MENSURATION:** Problems on finding volumes and surface areas of combinations of right circular cone, right circular cylinder, hemisphere and sphere, perimeter, area of a circle, area of a sector, segment of the circles, area of combined figures. **PROBABILITY:** Elementary ideas of probabilities as measure of uncertainty. **STATISTICS:** Mean, median and mode of grouped data.	80
PHYSICS	**Light:** Reflection of light by curved surfaces; Images formed by spherical mirrors, mirror formula, magnification. Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula, Magnification; Power of a lens. **Human Eye and the Colourful World:** Functioning of a lens in human eye, defects of vision and their corrections, applications; Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life. **Electricity:** Electric Potential difference and electric current; Ohm's law; Resistance, Resistivity, Factors on which the resistance of a conductor depends; Series and parallel combination of resistors; Heating effect of electric current and its applications in daily life; Electric power, Interrelation between P, V, I and R. **Magnetic Effects of Current**: Magnetic field, field lines, field due to a current carrying straight conductor, right hand thumb rule; field due to current carrying coil or solenoid; Force on current carrying conductor, Fleming's Left Hand Rule; Alternating Current and Direct Current; Advantage of AC over DC; Domestic electric circuits.	40

CHEMISTRY	**Chemical Reactions and Equations**: Chemical reactions, Chemical equation, Balanced chemical equation, types of chemical reactions: combination, decomposition,double displacement, precipitation, endothermic exothermic reactions, oxidation and reduction. **Acids, Bases and Salts:** Acids and Bases – definitions in terms of furnishing of H+ and OH– ions, identification using indicators, chemical properties, examples and uses,neutralization, concept of pH scale (Definition relating to logarithm not required), importance of pH in everyday life; preparation and uses of Sodium Hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris. **Metals and Non-metals**: Properties of metals and non-metals; Reactivity series;Formation and properties of ionic compounds; Basic metallurgical processes; Corrosionand its prevention. **Carbon and its Compounds**: Covalent bonds – formation and properties of covalentcompounds, Versatile nature of carbon, Hydrocarbons – saturated and unsaturated Homologous series. Nomenclature of alkanes, alkenes, alkyne and carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes). Chemical properties of carbon compounds (combustion, oxidation, addition and substitution reaction). Ethanol and Ethanoic acid (only properties and uses), soaps and detergents	40
BIOLOGY	**Life processes**: 'Living Being'. Basic concept of nutrition, respiration, transport andexcretion in plantsand animals. **Control and co-ordination in animals and plants**: Tropic movements in plants; Introduction of plant hormones; Control and co-ordination in animals: Nervous system; Voluntary, involuntary and reflex action; Chemical co-ordination: animal hormones. **Reproduction**: Reproduction in animals and plants (asexual and sexual) reproductive health – need and methods of family planning. Safe sex vs HIV/AIDS. Child bearing and women's health. **Heredity**: Heredity; Mendel's contribution- Laws for inheritance of traits:Sex determination; brief introduction. **Our environment**: Eco-system, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances.	40

S/d - DET Committee

Registration form for DAV ENTRANCE TEST (DET PHASE - II), 2026

Registration no.   For Class XI **(SCIENCE)** Provisional Admission 2026-2027

| X | I | S | C | I | 2 | 6 | | | |

Affix Student's Latest Colour Photo (Passport Size)

(To be filled by office)   **Leave a blank space between the first name, middle name & surname while writing the name.**

Name of the candidate:

(In capital letters)

Date of Birth :   D D   M M   Y Y Y Y

Year of Appearing Board Exam. _____ Aadhaar No.:

Name of the School studying class X_____

Name of the Board _____ (CBSE/ICSE/Other)   Email ID : _____@_____

Academics Information

Subjects→	ENGLISH	HINDI / ODIA / SANSKRIT	MATHS	SCIENCE	SST	ANY OTHER SUB -	TOTAL	%
Mark Obtained in class X Half yearly Exam.								
Mark Obtained in class IX Annual Exam.								

(Attach a copy of mark statement / Document received from school.)

COMPULSORY SUBJECTS		OPTIONAL SUBJECTS		
SUB-1	ENGLISH CORE (301)	SUB-4	MATHEMATICS (041) / BIOLOGY (044) OR COMPUTER (083) / PHY. EDU.(048)	
SUB-2	PHYSICS (042)	SUB-5	MATHEMATICS (041) / BIOLOGY (044) OR COMPUTER (083) / PHY. EDU.(048)	
SUB-3	CHEMISTRY(043)	SUB-6	MATHEMATICS (041) / BIOLOGY (044) OR COMPUTER (083) / PHY. EDU.(048)	
Work Experience (500)				
Physical & Health Education (502)		**N.B :** Minimum 5 subjects are must. (including three compulsory subjects)		
General Studies (503)		The optional subjects choosen for 4th, 5th and 6th must be written in the box provided.		

Father's Name : _____   Mother's Name : _____

Occupation   : _____   Occupation   :_____

Phone No.   : _____   Phone No.   : _____

WhatsApp No. :_____   WhatsApp No. : _____

Email   : _____   Email   :_____

<u>RESIDENTIAL ADDRESS:</u>

AT -   PO -   DIST-
STATE-   PIN-

Undertaking by Parents / Guardians

I, _____ mother / father / guardian of _____ undertake that this is only provisional admission which will be finalized after the declaration of class X board results and if my ward fails to obtain minimum desired percentage of Marks as described in the criteria for final admission, I will have no objection if his/her final admission in class XI is denied.

Sign. of Candidate

Date: _____ 2026   Sign. of Parent/Guardian

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