# ENTRANCE TEST SYLLABUS FOR 2027-28

## ARYAKULAM NILOKHERI

## (Syllabus for Entrance Examination 2027-28)

## Class 5th

### English

a) Number and Gender
b) Adjectives
c) Verbs
d) Translation
e) Antonyms
f) Synonyms
g) Articles
h) Paragraph based on school, classroom, library, friend & neighbour

### Environmental Studies (EVS)

a) Too much water too little water
b) The world in my home
c) Valley of Flowers
d) A River's Tale
e) A Busy Month
f) Changing Times
g) Home & Abroad

### हिंदी

I) भाषा, वर्ण, शब्द, लिपि आदि की परिभाषाए
II) संज्ञा, सर्वनाम, क्रिया, विशेषण आदि की परिभाषाए
III) लिंग, वचन
IV) पर्यायवाची शब्द, विलोम शब्द
V) अशुद्धि संसोधन

### Mathematics

a) Fractions
b) Division, Multiplication
c) Measures, Length, Mass and Capacity
d) Unitary methods
e) Mensuration

# (Syllabus for Entrance Examination 2027-28)
## Class 6th

### English

a) Change the Number & Gender
b) Nouns
c) Verbs
d) Preposition
e) Translation
f) Use of words in sentences
g) Paragraph based on persons, pets, building, events

### हिंदी

I) भाषा एवं व्याकरण
II) स्वर, व्यंजन, वर्ण–विचार
III) संज्ञा, सर्वनाम, विशेषण, क्रिया
IV) पर्यायवाची शब्द, विलोम शब्द
V) लिंग, वचन

### Environmental Studies (EVS)

a) Super Senses
b) Every Drop Counts
c) From Tasting to Digesting
d) Experiments with Water
e) Whose Forests?

### Mathematics

a) Fractions, Decimals
b) Profit and Loss
c) Simple Interest, Mensuration
d) Multiplies and Factors
e) Measurements, Lines & Angles
f) Data handling

# (Syllabus for Entrance Examination 2027-28)
## Class 7th

### English

a) Number and Gender
Degree, Verbs and Articles
b) Nouns, Pronouns
c) Antonyms, Synonym
d) Making sentences with
the given words
e) Paragraphs based on
surrounding like Your School,
Your City, Your Classroom,
Your Favourite Leader,
Your Friend, Your Neighbour

### हिंदी

I) भाषा, व्याकरण और लिपि
II) स्वर, व्यंजन, वर्ण–विचार
III) संज्ञा, सर्वनाम, विशेषण, क्रिया,
क्रिया विशेषण
IV) पर्यायवाची शब्द, विलोम शब्द
V) मुहावरे

### Science

a) Exploring Magnets
b) Mindful Eating: A path to a
healthy body
c) Measurement of Length &
Motion
d) Living creatures: Exploring their
characteristics
e) A journey through states of
water

### Mathematics

a) H.C.F., L.C.M., Integers
b) Decimals & Fractions
c) Unitary Method,
Whole Numbers
d) Data handling
e) Understanding elementary shapes
Algebra, Ratio and Proportion

# (Syllabus for Entrance Examination 2027-28)

## Class 8th

### English

a) Article Writing
b) Articles, Prepositions
c) Antonyms
d) Adjectives & its degrees
e) Number & Gender
f) Voice, Narration

### हिंदी

I) समास
II) संज्ञा, सर्वनाम, क्रिया, विशेषण
III) पर्यायवाची शब्द, विलोम शब्द
IV) उपसर्ग, प्रत्यय, लिंग, वचन
V) वाक्यांश के लिए एक शब्द, श्रुतिसमभिन्नार्थक शब्द

### Science

a) Exploring substances: Acidic, Basic and neutral
b) Life processes in plants
c) Light: Shadows and Reflections
d) Measurement of time & motion
e) Life processes in animals
f) Changes around us: Physical and Chemical

### Mathematics

a) Integers, Fractions & Decimals
b) Simple Linear Equations, Lines & Angles
c) Triangle
d) Comparing Quantities, Rational Numbers
e) Perimeters and Areas
f) Exponents or powers, Simple Interest

# (Syllabus for Entrance Examination 2027-28)
## Class 9th

### English

a) Use of Determiners, Prepositions, Forms of Verbs, Conjunctions
b) Synonyms, Antonyms
c) Narration
d) Voice
e) Modals
f) Paragraphs based on Visit experiences, Cultural & National Festivals, Personalities

### हिंदी

I) वाच्य, काल
II) संधि, समास
III) पर्यायवाची शब्द, विलोम शब्द
IV) मुहावरे
V) उपसर्ग, प्रत्यय

### Science

a) The invisible living world Beyond our naked eye
b) Electricity: Magnetic & Heating effects
c) Exploring forces
d) Pressure, wind, storms and cyclones
e) Nature of matter: Elements, compounds and mixtures

### Mathematics

a) Compound Interest, Profit & Loss
b) Linear Equation in one variable, Rational Numbers
c) Square roots, Cube roots, Area & Volume
d) Exponent or Powers, Identities
e) Polynomials, Geometry, Probability

# (Syllabus for Entrance Examination 2027-28)
# Class 11th (Medical and Non-Medical)

## MEDICAL
### English

a) Comprehension
b) Subject Verb Agreement
c) Modals
d) Active and Passive Voice
e) Reported Speech
f) Error Correction (Editing), Omissions
g) Determiners
h) Article writing
i) Formal letter writing

### Physics

a) Light : Reflection & Refraction
b) Electricity
c) Magnetic Effects of Electric Current
d) Human eye and colourful world

### Chemistry

a) Acids, Bases and Salts
b) Metals & Non-metals
c) Carbon and its Compounds

### Biology

a) Life processes
b) How do Organisms Reproduce
c) Heredity
d) Our Environment
e) Control and coordination

## NON-MEDICAL
### English

a) Comprehension
b) Subject Verb Agreement
c) Modals
d) Active and Passive Voice
e) Reported Speech
f) Error Correction (Editing), Omissions
g) Determiners
h) Article writing
i) Formal letter writing

### Physics

a) Light : Reflection & Refraction
b) Electricity
c) Magnetic Effects of Electric Current
d) Human eye and colourful world

### Chemistry

a) Acids, Bases and Salts
b) Metals & Non-metals
c) Carbon and its Compounds

### MATHEMATICS

a) A.P.
b) Quadratic Equations, Real Numbers
c) Trigonometry, Probability
d) Coordinate Geometry
e) Linear Equations in two variables
f) Geometry
g) Polynomials, Volume and Surface Area

# (Syllabus for Entrance Examination 2027-28)
# Class 11th (Commerce & Humanities)

## Commerce

### English

a) Comprehension
b) Subject Verb Agreement
c) Modals
d) Active and Passive Voice
e) Reported Speech
f) Error Correction (Editing), Omissions
g) Determiners
h) Article writing
i) Formal letter writing

### Reasoning

a) General mental ability
b) Logic and analytical skill
c) Critical reasoning

### Commerce

**Economics & Statistics**

Based on 10th Class

### Mathematics (optional)

a) A.P.
b) Quadratic Equations, Real Numbers
c) Trigonometry, Probability
d) Coordinate Geometry
e) Linear Equations in two variables
f) Geometry
g) Polynomials, Volume and Surface Area

## Humanities

### English

a) Comprehension
b) Subject Verb Agreement
c) Modals
d) Active and Passive Voice
e) Reported Speech
f) Error Correction (Editing), Omissions
g) Determiners
h) Article writing
i) Formal letter writing

### Reasoning

a) General mental ability
b) Logic and analytical skill
c) Critical reasoning

### Social Science

a) Nationalism in India
b) Powe sharing
c) Federalism
d) Money and credit
e) Agriculture

### Mathematics (optional)

a) A.P.
b) Quadratic Equations, Real Numbers
c) Trigonometry, Probability
d) Coordinate Geometry
e) Linear Equations in two variables
f) Geometry
g) Polynomials, Volume and Surface Area