

ICSE - Indian Certificate of Secondary Education

**GRADE 10
ENGLISH LANGUAGE**

SYLLABUS

UNITS	SUB-UNITS
<p align="center">A. LANGUAGE</p>	<ul style="list-style-type: none"> • Comprehension • Articles • Adjectives • Adverbs • Informal Letter writing • Preposition • Verbs • Essay writing • Comprehension • Tenses • Direct and Indirect Speech • Formal Letter writing • Active and Passive Voice • Conditional sentences • Comprehension • Vocabulary • Transformation and synthesis of sentences • Picture composition • All basic concepts taught earlier

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**GRADE 10
ENGLISH LITERATURE**

SYLLABUS

UNITS	SUB-UNITS
A. PROSE	<ul style="list-style-type: none"> • The Postmaster • How Much Land Does A Man Require? • The Tiger in the Tunnel • Girls • The Gift of the Magi (Revision) • Dusk (Revision) • The Case for the Defence(Revision) • The Sniper (Revision) • Marriage is a Private Affair • Entire syllabus
B. POETRY	<ul style="list-style-type: none"> • A River • Because I Could Not Stop for Death • To The Indian Who Died in Africa • Shakespeare • The Road Not Taken (Revision) • Our Casurina Tree (Revision) • The Slave's Dream (Revision) • Laugh and Be Merry (Revision) • The Ballad of Father Gilligan • The Frog and the Nightingale • Entire syllabus
C. DRAMA	<ul style="list-style-type: none"> • As You Like It - Act IV, V • As You Like It – Act III (Revision) • As You Like It - Entire play (Revision)

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GRADE 10 HINDI

SYLLABUS

UNITS	SUB-UNITS
A. LANGUAGE	<ul style="list-style-type: none"> ● ग.सं : श्रम की प्रतिष्ठा ● ए.सु : विजय की वेला ● ग.सं : परीक्षा ● ग.स. : ताई ● ग.स. : अकेली ● ए.सु : सीमा—रेखा ● ग.सं : उसकी माँ ● ग.सं : चीफ की दावत ● ग.स. : भीड़ में खोया आदमी ● ग.सं : भोलाराम का जीव, ● ग.स. : चप्पल ● ग.सं. : ममता, ● ग.स. : खेल, ● ग.स. : मिठाईवाला ● ए.सु : राजरानी सीता ● ए.सुं. : मेल—मिलाप ● ग.सं : मेरे मास्टर साहब ● ग.सुं. : मैं और मेरा देश ● ग.सं : सच्ची वीरता ● ए.सु : भटकन, ● ए.सुं. : लक्ष्मी का स्वागत

B. LITERATURE

- संज्ञा, सर्वनाम, भाववाचक संज्ञा
- निबंध लेखन
- पर्यायवाची
- विलोम
- मुहावरे
- पत्र—लेखन
- लोकोक्तियाँ
- चित्र—कथा लेखन
- अपठित गद्यांश
- विशेषण, वचन
- लिंग, काल
- श्रुत भाव ग्रहण

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GRADE 10
HISTORY AND CIVICS**

SYLLABUS

UNITS
A. THE LUCKNOW PACT; HOME RULE LEAGUE AND AUGUST DECLARATION
B. MAHATMA GANDHI AND THE NATIONAL MOVEMENT
C. QUIT INDIA MOVEMENT
D. SUBHAS CHANDRA BOSE AND THE I.N.A
E. PARTITION OF INDIA
F. THE UNITED NATIONS ORGANISATION
G. AGENCIES OF THE UNITED NATIONS
H. THE CABINET AND THE PRIME MINISTER
I. COUNCIL OF MINISTERS IN A STATE
J. THE JUDICIARY
K. THE HIGH COURTS AND THE SUBORDINATE COURTS

SYLLABUS

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**GRADE 10
ENVIRONMENTAL EDUCATION**

SYLLABUS

UNITS
A. AGRICULTURE IN INDIA-II
B. AGRICULTURE IN INDIA-III
C. AGRICULTURE IN INDIA-IV
D. WATER RESOURCES
E. MINERALS IN INDIA
F. INDUSTRIES IN INDIA
G. TOPOGRAPHICAL MAPS
H. MAP WORK
I. TRANSPORT

UNITS
<p>Pollution: Types, Sources, Effects, Abatement</p>
<p>Issues of the Environment: Decline in forest, agricultural and marine productivity and its effects on the economy Resettlement and rehabilitation of people Energy crisis –urban and rural sectors Greenhouse effect and global warming Acid rain Climatic changes Ozone layer depletion Disaster-natural and man-made;disaster management and its mitigation</p>
<p>Striving for a better environment: Use of efficient and eco-friendly technology and the sustainable use of resources Community participation and public awareness programmes for ecological restoration and conservation Protection of wildlife;cruelty to animals Consume Education:Revision Enforcement of acts,laws,policies:Revision</p>
<p>Restoring Balance in Ecosystem:Revision Conservation and management of water Conservation and management of forests Conservation and management of oceans Conservation and management of soil Wildlife Conservation Application of bio-technology</p>

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GRADE 10 MATHEMATICS

SYLLABUS

UNITS
A. CO-ORDINATE GEOMETRY: DISTANCE AND SECTION FORMULA
B. EQUATION OF A LINE
C. REFLECTION
D. MATRICES
E. SYMMETRY
F. CIRCUMFERENCE AND AREA OF A CIRCLE
G. AREA AND VOLUME OF SOLIDS-CONE, SPHERE
H. LOCI
I. CIRCLES: CHORD PROPERTIES; ARC AND CHORD PROPERTIES; CYCLIC PROPERTIES; TANGENT PROPERTIES
J. CONSTRUCTIONS
K. PROBABILITY
L. TRIGONOMETRY
M. STATISTICS: GRAPHICAL REPRESENTATION, MEASURES OF CENTRAL TENDENCIES
N. COORDINATE GEOMETRY (REVISION)
O. COMPOUND INTEREST (WITH AND WITHOUT FORMULA) (REVISION)
P. RATIO AND PROPORTION (REVISION)

Q. QUADRATIC EQUATIONS (REVISION)

R. BANKING (REVISION)

S. SALES TAX AND VALUE ADDED TAX (REVISION)

T. SHARES AND DIVIDEND (REVISION)

U. REMAINDER THEOREM (REVISION)

V. LINEAR INEQUATIONS (REVISION)

W. SIMILARITY (REVISION)

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GRADE 10 COMMERCIAL STUDIES

SYLLABUS

UNITS
A. STAKEHOLDERS IN COMMERCIAL ORGANISATION
B. COMMUNICATION IN COMMERCIAL ORGANISATION
C. NATURE AND FUNCTIONS OF MARKETING-PRODUCT AND SERVICE
D. MARKETING RESEARCH
E. ADVERTISING AND SALES PROMOTION
F. SALES AND SELLING PROCESS
G. CAPITAL REVENUE EXPENDITURE / INCOME
H. FINAL ACCOUNT OF A SOLE TRADER
I. FINANCIAL STATEMENTS OF NON - PROFIT ORGANISATIONS
J. FUNDAMENTAL CONCEPTS OF COST
K. BUDGETING
L. BANKING - PART I
M. BANKING - PART II
N. HUMAN RESOURCES - RECRUITMENT, SELECTION & TRAINING
O. INDUSTRIAL RELATIONS & TRADE UNIONS
P. LOGISTICS & INSURANCE

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**GRADE 10
SCIENCE (PHYSICS)**

SYLLABUS

UNITS
A. ELECTRICITY AND MAGNETISM
B. HEAT :CALORIMETRY:REVISION
C. LIGHT :REVISION
D. SOUND :REVISION
E. FORCE,WORK ENERGY AND POWER:REVISION
F. PRACTICALS

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**GRADE 10
SCIENCE (CHEMISTRY)**

SYLLABUS

UNITS
A. MOLE CONCEPT & STOICHOmetry
B. METALLURGY
C. ELECTROLYSIS:REVISION
D. PERIODIC TABLE:REVISION
E. CHEMICAL BONDING:REVISION
F. ACIDS, BASES AND SALTS
G. ANALYTICAL CHEMISTRY
H. COMPOUND OF CHLORINE
I. COMPOUND OF SULPHUR
J. COMPOUND OF NITROGEN
K. PRACTICALS

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GRADE 10 SCIENCE (BIOLOGY)

SYLLABUS

UNITS
A. BASIC BIOLOGY: CELL CYCLE AND CELL DIVISION; STRUCTURE OF CHROMOSOME; GENETICS
B. HUMAN ANATOMY AND PHYSIOLOGY: CIRCULATORY SYSTEM: REVISION
C. HUMAN ANATOMY AND PHYSIOLOGY : EXCRETORY SYSTEM: REVISION
D. HUMAN ANATOMY AND PHYSIOLOGY : NERVOUS SYSTEM: REVISION
E. HUMAN ANATOMY AND PHYSIOLOGY : NERVOUS SYSTEM : ENDOCRINE SYSTEM
F. HUMAN ANATOMY AND PHYSIOLOGY : REPRODUCTIVE SYSTEM
G. HUMAN ANATOMY AND PHYSIOLOGY : POPULATION
H. PHYSICAL HEALTH AND HYGIENE: AIDS TO HEALTH; HEALTH ORGANIZATIONS
I. PLANT PHYSIOLOGY: ABSORPTION: REVISION
J. PLANT PHYSIOLOGY: TRANSPIRATION: REVISION
K. PLANT PHYSIOLOGY: PHOTOSYNTHESIS: REVISION

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GRADE 10 ENVIRONMENTAL SCIENCE (Mumbai,Pune)

SYLLABUS

UNITS
A. CONTROLLING AIR POLLUTION
B. ADDRESSING POPULATION
C. MANAGING THE URBAN ENVIRONMENT
D. MANAGING SOIL AND LAND
E. FOOD
F. BIODIVERSITY
G. ENERGY
H. WASTE
I. ENVIRONMENT AND DEVELOPMENT
J. TOWARDS A SUSTAINABLE FUTURE

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GRADE 10 ART (Mumbai, Pune)

SYLLABUS

UNITS
A. COURSE WORK
B. PAPER- 3 (ORIGINAL IMAGINATIVE COMPOSITION)-1
C. PAPER- 3 (ORIGINAL IMAGINATIVE COMPOSITION)-2
D. PAPER- 1 (STILL LIFE)-1
E. PAPER- 3 (ORIGINAL IMAGINATIVE COMPOSITION)-3
F. PAPER- 1 (STILL LIFE)-2
G. PAPER- 3 (ORIGINAL IMAGINATIVE COMPOSITION)-4
H. PAPER- 1 (STILL LIFE)-3
I. PAPER- 3 (ORIGINAL IMAGINATIVE COMPOSITION)-5
J. PAPER- 1 (STILL LIFE)-4
K. PAPER- 3 (ORIGINAL IMAGINATIVE COMPOSITION)-6
L. PAPER- 3 (ORIGINAL IMAGINATIVE COMPOSITION)-7
M. PAPER- 1 (STILL LIFE)-5
N. PAPER- 3 (ORIGINAL IMAGINATIVE COMPOSITION)-8
O. PAPER- 1 (STILL LIFE)-6
P. PAPER- 1 (STILL LIFE)-7
Q. PAPER- 1 (STILL LIFE)-8

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GRADE 10 COMPUTER APPLICATIONS (Mumbai, Pune)

SYLLABUS

UNITS
A. <u>REVISION</u> :
B. JAVA PROGRAMMING -REVISION
C. CLASS AS THE BASIS OF ALL COMPUTATION
D. CONSTRUCTORS
E. FUNCTIONS
F. CLASS AS USER DEFINED TYPE
G. ITERATION THROUGH LOOPS
H. USING LIBRARY CLASSES
I. ENCAPSULATION
J. ARRAYS
K. INPUT / OUTPUT

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**GRADE 10
TECHNICAL DRAWING APPLICATIONS
(Mumbai)**

SYLLABUS

UNITS
A. SCALES
B. PROJECTION OF POINT, LINES & PLANES
C. PROJECTION OF SOLIDS
D. AUXILIARY VIEW OF SOLID
E. SECTION OF SOLID WITH DEVELOPMENT.
F. MISSING VIEW

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GRADE 10 PHYSICAL EDUCATION (Mumbai)

SYLLABUS

UNITS	
A. SECTION A: BIOLOGY	SECTION B: SPORTS
B. PERSONAL HEALTH (SECTION A)	
C. DISEASES, DEFECTS & INJURY (SECTION A)	
D. COMMUNITY HEALTH (SECTION A)	
E. BASKETBALL (SECTION B)	
F. CRICKET (SECTION B)	
G. FOOTBALL (SECTION B)	
H. HANDBALL (SECTION B)	
I. FIRST AID (SECTION A)	

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GRADE 10 ECONOMIC APPLICATIONS (Pune)

SYLLABUS

UNITS
A. THEORY OF DEMAND
B. THEORY OF SUPPLY
C. ELASTICITY OF DEMAND
D. FACTORS OF PRODUCTION
E. LAND
F. LABOUR
G. CAPITAL AND CAPITAL FORMATION
H. ENTREPRENEUR
I. ALTERNATIVE MARKET STRUCTURES: BASIC CONCEPTS
J. THE STATE AND ECONOMIC DEVELOPMENT
K. INSTRUMENTS OF STATE INTERVENTION
L. PUBLIC SECTOR ENTERPRISES
M. PRIVATISATION OF PUBLIC ENTERPRISES
N. MONEY AND INFLATION
O. BANKING: COMMERCIAL BANKS AND CENTRAL BANK

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GRADE 10 FRENCH 2nd Language (Mumbai,Pune)

SYLLABUS

UNITS
A.LESSON 1-4
B.IMPARFAIT
C.PAST TENSE
D.FUTURE
E. TEXTUAL EXERCISES
F. GRAMMAR LESSON 44-50
G. IRREGULAR VERBS FROM LESSONS
H. EMPHATIC PRONOUNS
I. TEXTUAL EXERCISES
J. PARAGRAPH TRANSLATION
K. ESSAY WRITING
L. ALL TENSES
M. CONDITIONAL TENSE
N. GRAMMAR LESSONS 46-50

Note: As per the ICSE guidelines, French is offered as second language only to foreign passport holders