

**DALY COLLEGE, INDORE**  
**ANNUAL EXAM CLASS VIII CI SYLLABUS**  
**MARCH 2023**

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**1. ENGLISH**

Paper I: Non-fiction

Reading Comprehension  
Dialogue Writing  
Speech Writing  
Argumentative composition

Paper II: Fiction

Reading Comprehension  
Story Writing  
The Singing Lesson – Story  
An Angel in Disguise – Story  
The Darkling Thrush – Poem

**2. HINDI**

गद्य-

जब सिनेमा ने बोलना सीखा, क्या निराश हुआ जाए, जहां पहिया है, पानी को कहानी, बाज और सांप,

पद्य-

सुदामा चरित, यह सबसे कठिन समय नहीं, कबीर की साखियां

उन्मेष

कागाज़ के एक हज़ार फूल

कोहनी का पाठ।

व्याकरण

रचना के आधार पर वाक्य के भेद एवं परिवर्तन, मुहावरे-(1-20) अर्थ और वाक्य प्रयोग, अशुद्धि शोधन, विलोम शब्द(21-40), अपठित गद्यांश।

लेखन

अनुच्छेद, ई मेल लेखन, संवाद-लेखन, वाद- विवाद।

**3. FRENCH**

Production écrite

Compréhension écrite

Verb lists

**4. संस्कृत**

रुचिरा तृतीयो भागः

पाठः अशोकवनिका

सावित्री बाई फुले

कः रक्षति कः रक्षितः

हिमालयः

आर्यभटः

प्रहेलिकाः

व्याकरणम्

सन्धि - बोधः , सर्वनामपदानि तथा संख्यावाचकानि , क्रियापदानि तथा धातुरूपाणि

कारक विभक्तिः तथा उपपद - विभक्तिः

वाक्यरचना - सुद्धप्रयोगः

**5. MATHEMATICS**

1. Fractions and indices
2. Expressions and formulae
3. Shapes and mathematical drawings
4. Numbers
5. Measures
6. Planning, collecting and processing data
7. Rounding, multiplying and dividing
8. Equations and inequalities
9. Geometry
10. Mental Strategies
11. Compound Measures
12. Presenting data and interpreting results
13. Ratio and proportion
14. Sequences functions and graphs
15. Transformations
16. Fractions Decimals and Percentages
17. Area, perimeter and volume
18. Probability
19. Class 9-Algebraic Identities, Factorisation, Expansion
20. Class 9-Rationalisation

## **6. PHYSICS**

Chapter 9 Electricity

Topics from IGCSE

DISTANCE DISPLACEMENT SPEED VELOCITY

ACCELERATION

UNIFORM AND UNIFORMLY ACCELERATED MOTION

EQUATIONS OF UNIFORMLY ACCELERATED MOTION

DISTANCE/ DISPLACEMENT TIME AND SPEED/VELOCITY TIME GRAPHS NUMERICAL PROBLEMS

NEWTONS LAWS OF MOTION

CONCEPT OF MOMENTUM AND RELATED NUMERICAL PROBLEMS

## **7. CHEMISTRY**

Unit 7: Material Changes

Unit 8: Material Properties

Unit 9: Energy Changes

Unit 10: The reactivity series

Unit 11: Making Salts

Unit 12: Rates of Reaction

Balancing Chemical Equations

Molecular Mass

## **8. BIOLOGY**

Chapter 8: Digestion

Chapter 9: Circulation

Chapter 10: Respiration and breathing

Chapter 11: Reproduction and fetal development

Chapter 13 Plants

Topic from IGCSE: Cells

## **9. HISTORY & CIVICS**

History:

Ch 1 How When Where

Ch 2 From Trade To Territory

Ch 3 Ruling The Countryside ( The Revenue System)

Ch 5 When People Rebel

Ch 7 Civilizing the Native And Educating the Nations

Ch 9 Making of the Indian National Movement 1947 and After

**Civics:**

Ch 1 The Indian Constitution

Ch 2 Secularism

Ch 3 Why do we Need A Parliament

Ch 4 Understanding Laws

Ch 5 Judiciary

Ch 6 Understanding Our Criminal Justice System

## **10. GEOGRAPHY**

1. Resources

2. Land, Soil, Water, Natural Vegetation and Wildlife Resources

Land , Water

(Soil, Natural Vegetation and Wildlife , Conservation of Natural Vegetation and Wild life, Distribution of Natural Vegetation)

3. Distribution of Minerals, Mineral and Power Resources

(Types of Minerals, Uses and Conservation of Minerals, Power Resources- conventional and Non-Conventional.)

4. Agriculture

(Farm system, Types of farming, Major crops and Agricultural development- Farms in India & Farms in USA )

5. Industries

(Classification of Industries, Factors affecting location of Industries, Industrial system, Industrial system, Industrial disaster, Distribution of Major Industries.)

6. Human Resources

(Distribution of population, Density , Factors affecting distribution of population, Population change, Population composition and Pattern of population change)

Case Studies

1. Intensive subsistence farming- Rice

2. Plantation- Tea

3. Iron and steel industry

4. Case study in a country with a high dependent population-Japan

5. Geothermal energy

6. Hydel power

Map skills

Map work- Intensive agriculture ,subsistence agriculture,shifting cultivation,plantation and commercial agriculture.

Area with high population and area with low population density.

## 11. COMPUTER SCIENCE

- About Microcontroller
- About Arduino Board
- Types of Arduino Boards
- About Arduino IDE
- About Power used in Arduino
- Different Hardware components used:
  - o Bread Board
  - o Resistors
  - o Jumper Wires
  - o Servo motors
  - o Serial Monitors
  - o LCD display
  - o Buzzers
  - o Push button
  - o 7 Segment LED
  - o LED

Normal LED (Single colour)

RGB LED (Three colour)

- o Sensors:
  - Temperature Se
  - Infrared Sensor
  - LDR- Sensor
  - Pressure Sensor
  - Humidity Sensor
  - Soil Moisture sensor
  - Ultrasonic Sensor
- Control Statements (If else property) and program based on it.
- Program /experiments based on all the above topics.