G.D.GOENKA WORLD SCHOOL
SYLLABUS FOR SECOND SEMESTER EXAMINATION MARCH 2018
GRADE 9

ENGLISH -Literature

English Literature 0486

1 **Drama**
 Macbeth Act -1,2,3
 Winslow Boy- Act 1,2 .
2 **Prose -**
In Custody - Chapter 1,2,3,4,5,6
3 **Poetry- songs of Ourselves**
In Praise of Creation
London Snow
Sea eats the land at home
Poplar Field
 Afternoon with Irish Cows
Ode to Melancholy
Caged Skylark

ENGLISH -Language

First Language English 0500
1 Letter writing(formal and informal)
2Journal entry
3Writer's effect
4Summary writing
5Report writing
6Descriptive Writing
7Narrative writing
8 Interview/dialogue/conversation

ENGLISH AS A SECOND LANGUAGE:

Reading &Comprehension (testing detailed comprehension skills vocabulary enrichment and language structures)
Report/newspapers/magazine articles with graphical element Multiple Matching .

2.Writing Exercises (note making, summary writing, Articles, Formal and informal letters.

3.Speaking Skills: Clue cards provided

4.Listening skills tracks from test.

HINDI –

Written examination consisting of six exercises that test a range of reading and writing skills.Types of task include: short answer questions, multiple matching, note making, summary writing, functional writing, and extended writing.

FRENCH –

(listening, reading, writing, speaking tests based on following topics.)

Topics- Foods and drinks, eating out, eating and drinking, travel and transport, home town and geographical surroundings and festivals.

Grammar- Tenses (Présent, Présent Progressif, Passé Composé, Passé Récent, Futur, Futur Proche), Les Pronoms (COD, COI, Y, EN)

Writing- Paragraph and Letter (Informal)

SPANISH

Topics- Family, house, friends, locality, free time activities, going out, city, house chores,

Grammar- present tense, past tense (all types), conjunction, preposition, superlative,

Writing- email, letter, paragraph, picture description

GERMAN –

Prsönlich (Familie), Mein zu Hause, Tagesablauf, Traumhaus, Haushalt helfen, Hobbys und Freizeit, Die Schule, Stundenplan, Fächer und Berufe

Grammatik:- aussehen, possessive artikeln, präpositionen, trennbarverben, conugationen, Partizipperfekt

Schreiben:- Brief, Postkarte, Tagesbuch

ECONOMICS:

Unit 1: The basic economic problem: choice and the allocation of resources

1.1 The basic economic problem

Unit 2: The Allocation of resources: how market work; market failure

2.1 Economic systems

2.2 How markets work

2.3 Social cost and benefits

Unit 3: The individual as producer, consumer and borrower

3.1 Money and Finance

3.2: Occupations and earnings

3.3: The role of trade unions

Unit 4: The private firm as producer and employer

4.1 Types of business organization

4.2 Organization of production

4.3 The growth of firms

BUSINESS STUDIES :

SECTION 1: Understanding Business Activity
1. Business Activity
2. Classification of businesses
3. Enterprise, business growth and size
4. Types of business organization
5. Business objectives and stakeholder objectives

Section 2: People in business
6. Motivating Workers
7. Organization and management
8. Recruitment, Selection and training of workers
9. Internal and external communication

Section 3: Marketing
10. Marketing, competition and the customer
11. Market research
12. The marketing mix: Product
13. The marketing mix: Price
14. The marketing mix: promotion and technology in marketing
15. The marketing mix: Place
16. Marketing Strategy

GP
1. Demographic Change
2. Education for all
3. Employment
4. Globalization
5. Law and criminality
6. Migration

GEOGRAPHY:
1. Population
2. 2. Settlement
3. Urban land use
4. Urban problems
5. Urban growth
6. River s and Drainage basins
7. Earthquakes and volcanoes
8. Plate tectonics

ICT

1. **Types and components of computer systems**
   1.1 hardware and software
   1.2 the main components of computer systems
   1.3 operating systems
   1.4 types of computer
   1.5 impact of emerging technologies
2. **Input and output devices**
   2.1 input devices and their uses
   2.2 direct data entry and associated devices
   2.3 output devices and their uses
3. **Storage devices and media**
4. **Networks and the effects of using them**
   4.1 networks
   4.2 network issues and communication

12. Images
13. Layout
14. Styles
15. Proofing
    15.1 software tools
    15.2 proofing techniques
16. Graphs and charts

17. Document production
18. Data manipulation
    18.1 create a database structure
    18.2 manipulate data
    18.3 present data

21. Website authoring
    21.1 web development layers
    21.2 create a web page
    21.3 use stylesheets
    21.4 test and publish a website

PHYSICS

Unit 1: General Physics

Unit-2: Thermal Physics

Unit-3: Properties of waves, including light and sound

BIOLOGY

1 Characteristics and classification of living organisms

2 Organisation of the organism

3 Movement in and out of cells

4 Biological molecules

5 Enzymes

6 Plant nutrition

7 Human nutrition

8 Transport in plants

9 Transport in animals

11 Gas exchange in humans

12 Respiration

CHEMISTRY (From the textbook)

Chapter: 1. The particulate nature of matter

Chapter- 2. Elements compounds and experimental techniques

Chapter- 3. Atomic structure and bonding

Chapter- 4. Electricity and chemistry

Chapter -5. Chemical energetic

Chapter -6. Chemical reactions

Chapter- 7. The periodic table

Chapter-11. Air and water

Chapter -13. Inorganic carbon chemistry

EVM

1. Rocks and minerals and their exploitation

2. Energy and the environment

3. Agriculture and the environment

4. Water and its management

5. Oceans and fisheries

PHYSICAL EDUCATION

Skeletal system and muscular system

Respiratory system

Circulatory system

Energy supply and effect of exercise on the body.

COMPUTER SCIENCE:

Section 1
Theory of computer science

1.1 Data representation
    1.1.1 Binary systems
    1.1.2 Hexadecimal
    1.1.3 Data storage
1.2 Communication and Internet technologies
    1.2.1 Data transmission
    1.2.2 Security aspects
    1.2.3 Internet principles of operation
1.3 Hardware and software
    1.3.1 Logic gates
    1.3.2 Computer architecture and the fetch-execute cycle
    1.3.3 Input devices
    1.3.4 Output devices

1.3.6 Operating systems
1.3.7 High- and low-level languages and their translators

Section 2
Practical problem-solving and programming

2.1 Algorithm design and problem-solving
    2.1.1 Problem-solving and design
    2.1.2 Pseudocode and flowcharts

MATHEMATICS EXTENDED

CHAPTER 1: NUMBER
1.1   Arithmetic
1.2   Number facts and sequences
1.3   Approximations and estimation
1.4   Standard form
1.5   Ratio and proportion
1.6   Percentages
1.7   Speed, distance and time
1.8   Calculator
1.9   Using a spreadsheet on a computer

CHAPTER 2: ALGEBRA 1
2.1 Negative numbers
2.2 Directed numbers
2.3 Formulae
2.4 Brackets and simplifying
2.5 Linear equations
2.6 Problems solved by linear equations
2.7 Simultaneous equations
2.8 Problems solved by simultaneous equations
2.9 Factorizing
2.10 Quadratic equations
2.11 Problems solved by Quadratic equations

CHAPTER 3: MENSURATION
3.1 Area
3.2 The circle
3.3 Arc length and sector area
3.4 Chord of a circle
3.5 Volume
3.6 Surface area

CHAPTER 4: GEOMETRY
4.1 Fundamental results
4.2 Pythagoras' theorem
4.3 Symmetry
4.4 Similarity
4.5 Circle Theorems

CHAPTER 5: ALGEBRA 2
5.1 Algebraic fractions
5.2 Changing the subject of a formula
5.3 Variation
5.4 Indices

CHAPTER 6: TRIGNOMETRY
6.1 Right-angled triangles
6.2 Scale Drawing and bearing
6.4 Sine, Cosine, tangent for any angle
6.5 The sine Rule
6.6 The cosine rule

CAMBRIDGE INTERNATIONAL MATHEMATICS EXTENDED

1 ALGEBRA (EXPANSION AND FACTORISATION)

2 SETS

3. ALGEBRA(EQUATIONS AND INEQUALITIES)

4.LINES, ANGLES AND POLYGONS

5.GRAPHS , CHARTS AND TABLES

6.EXPONENTS AND SURDS

7. FORMULA AND SIMULTANEOUS EQUATIONS

8. THE THEOREM OF PYTHAGORAS

9. MENSURATION(LENGTH AND AREA)

10. TOPICS IN ARITHMETIC

11 MENSURATION(SOLIDS AND CONTAINERS)

12.COORDINATE GEOMETRY

13. ANALYSIS OF DISCRETE DATA

14. STRAIGHT LINES

16. ALGEBRAIC FRACTIONS

17. CONTINUOUS DATA

21. QUADRATIC EQUATIONS (TILL QUADRATIC FORMULA)

27. CIRCLE GEOMETRY