

CARMEL JUNIOR COLLEGE
Home Assignment 16th March 2020– 14th April 2020

Std- IX

Note: 10 Marks for each subject

ENGLISH LANGUAGE

Unit 1-5

Project : topic 1 (number of words 350-400)

- Describe one important lesson that you have learnt through the course of your life. How did you learn this lesson and why did you think, they are important?

Topic 2: (number of words 350-400)

Relate how the reading of literature has enriched and refined you.

ENGLISH LITERATURE

Merchant of Venice Act 1 scene 1 &2

Prose:

- Horse and 2 goats
- Old man at the bridge

Poem

- Bangle sellers
- Daffodils

MATHEMATICS

1. Rational and irrational numbers
2. Expressions
3. Compound interest
4. Factorization
5. Simultaneous linear equations
6. Triangles (10.1 and 10.2)
7. Co-ordinate geometry

Project:

Topic:

Compound interest

- Exercise 2.1(sum 1-18)
- Exercise 2.2 (sum 1-15)

Expansions

- Exercise 3.1(sum 1-31)
- Exercise 3.2 (sum 1-37)

Factorisation

- Exercise 4.1(sum 1-9)
- Exercise 4.2 (sum 1-13)

- Exercise 4.3(sum 1-12)

Triangles

- Exercise 10.1(sum 1-12)
- Exercise 10.2 (sum 1-14)
- Exercise 103(sum 1-15)

Assignment to be submitted in the ruled notebook.

हिंदी भाषा

1. पर्यायवाची, विलोमशब्द, वर्तनी, वाक्य परिवर्तन
2. निबंध लेखन , , पत्र लेखन, वाक्यकी शो के लिए एक शब्द
3. तत्सम-तत्भव मुहावरे
4. चित्र प्रस्ताव लेखन , अपठित गद्यांश ,वाक्य विचार

हिंदीसाहित्य

1. काकी
2. महायाग्य का पुरस्कार (कहानी)
3. साखी (कविता)
4. भिक्षुक

हिंदी भाषा Project:

हिंदी भाषा परियोजना:- (In shoe lace file)

1. निम्नलिखित विषय पर लगभग ३५०-४०० शब्दों में निबंध लिखिए मनुष्य अपने मित्रों के द्वारा जाना जाता है | उसके मित्रों का चयन ही उसके व्यक्तित्व का मापक है | व्यक्ति के जीवन में उसके मित्रों का क्या महत्व है और वे उसके जीवन को किस प्रकार प्रभावित करके हैं ?
2. हिंदी भाषा - (in notebook)
 - पर्यायवाची शब्द 1 - 30
 - विलोम शब्दPg. 259
 - अनेक शब्दों के लिए एक शब्द (1 - 30)
 - मुहावरे(1 - 30)
 - तत्सम - तद्भव(Pg. 257)

PHYSICS

1. Measurement and Experimentation
2. Motion in One Dimension
3. Laws of Motion

Project

Topic: Spherical Mirror and Energy

- only ray diagrams for the formation of images of in concave and convex mirrors Page 161-163 along with the characteristics of image formed

- use of concave and convex mirrors,
- types of renewable and non- renewable sources
- advantages and disadvantages of solar , wind hydro energy and nuclear energy in the ruled note book

CHEMISTRY

Chapter 1. Language of chemistry

Chapter 2. chemical changes and reactions

Chapter 3. Atomic structure and chemical bonding.

Practical chemistry (from text)

- Identification of gases (Hydrogen , Oxygen Carbon dioxide, Hydrogen Sulphide, Sulphur Dioxide ,Water Vapour)
- Action of heat

Project work: ATMOSPHERIC POLLUTION

- Introduction
- Acid rain (cause and effect with suitable equations and examples)
- Global warming (definition, cause and effect)
- Ozone (formation of ozone in the atmosphere , ozone depletion , causes and effect, ways to prevent.
- Conclusion

The project is to be done in the chemistry note book and submitted on the reopening day. The students will stick or draw relevant pictures. The equations may be written with coloured pens other than red and green. Kindly refer only to the text book for information required for the project.

BIOLOGY

PORTION FOR 1ST TERM

1. Introducing biology
2. Cell
3. Tissue
4. Flower
5. Skin
6. Seed
7. Nutrition
8. Waste management

Practical portion :

- Onion peel (observation)
- Cross pollinate flower (hibiscus)
- Identification Of Porifera Coelenterate,Platyhelminthis,Nematode, Annelida

Project topic:

Topic: CELL

- Learn table of cell parts –structure and function
- Draw diagram of plant cell and animal cell

Topic 2: Flower

- Write parts of the flower and their functions
- Draw diagram of flower

Topic 3: health organization

- Write four functions each of WHO AND RED CROSS

HISTROY AND CIVICS

1. Our Constitution and Salient Features
2. Elections and Election Commission
3. The Harappan Civilization
4. Early and Later Vedic Age
5. Renaissance
6. Mauryan Empire

Project:

- Discuss the art and architectural features of the following monuments :
- Taj Mahal, Red Fort And Qutub Minar

Instructions: maximum 10-15 pages(including introduction , acknowledgement Content, and bibliography)

GEOGRAPHY

1. The earth as a planet
2. Earth's structure
3. Hydrosphere , tides and ocean currents,
4. Atmosphere
5. Humidity
6. Natural regions of the world(Equatorial Climatic Region, Savana Or Tropical Grassland, Tropical Hot Desert)
7. Map of the world

Project:

Topic: Land forms of the earth

Acknowledgement

Content

Introduction to land forms

Mountains

- Types of mountains
- Importance of mountains

- Formation of mountains
- Major examples from the world and India
- Pictures , write-ups world map , India map
- Interesting facts about the Himalayas

Plateaus

- Types of plateaus
- Importance of plateaus
- Formation of plateaus
- Major Plateaus of the world
- Pictures , write-ups ,world map , India map
- Interesting facts about the Deccan plateau

Plains

- Types of planes
- Structural erosional and depositional plains
- Major examples from the world and India
- Pictures , write-ups world map , India map
- Interesting facts about the indo Gangetic plains

Conclusion

Bibliography

Please note: shoe lace file brown cover blue pen and interleaved loose paper minimum pages 15—25(max)

COMPUTERS

1. Introduction to java
2. Values and data types
3. Operators and expressions
4. Input in java (introduction)
5. Conditional constructs in java

Project:

In a ruled note book

I Write programmes

1. Calculate and print the sum and average of 3 numbers
2. Calculate the area and perimeter of a square whose side is 8cm
3. Calculate the area and perimeter of a rectangle whose length and breadth is 5cm and 8 cm
4. Calculate the profit and profit % when the cost price and selling price is Rs. 4800/- and 6000/-
5. Calculate the cost of 15 note books when the cost a note book is Rs.36 /-

II Chapter 2 introduction to java

1. Define byte code
2. Java virtual machine(define)
3. Explain types of java programme

ECONOMICS

1. Meaning and definition of economics
2. Basic concepts of Economics
3. Basic problems of an Economy

Project:

Make a project on the following topics:-

Take a developed country such as the USA and a developing country such as India. Analyse the main characteristics of these economics.

Note : There are 4 topics for project work to be done in std 9 the above mentioned topic is one of them. The student can take the help of internet to collect information regarding this topic. Use project sheets to write the same. (min, page (1side) 10)
