

# SUMMER ASSIGNMENT 2022-23

## CLASS: X

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### ENGLISH:I

Topics:

#### Question 1

Composition writing ( 5 to 6 paragraphs of reasonable length)

- a. Describe the meaning of active listening? How can one be an active listener ? How is active listening beneficial for you?
- b. 'Corporal punishment should be banned in all educational institution.' Express your view both for and against the statement.

#### Question 2

Letter writing (In at least 3 paragraphs of reasonable lengths, using appropriate lay outs and formats)

- a. Your friend has to speak for the statement ' Teenagers should not be given pocket money.' He/she needs some help from you. Write letter to him/ her how he/ she can stand for the statement.
- b. Write a letter to the Editor of a leading newspaper expressing your deep concern growing dependence of student in computer and internet, highlighting their ill-effects and also suggesting some means to control it.

#### Question 3

Notice and Email Writing

- a. Your school is organizing a 'Workshop on Career Selection for the students of class X , during the summer holidays .Write a notice, informing the students all details of the workshop, to register their names to join the workshop. (In 40 to 50 words, using appropriate format as taught)
- b. Write an email to a renowned Career counselor to conduct the 'Workshop on Career counseling 'to be held be held in your school and request him/her to guide the students in selecting their career.

(Use appropriate format as taught)

#### Question 4

Comprehension Passage

Read the following passage carefully and answer the questions that follow:

"A horrible conviction darted-----he started up in, and nothing more.  
(Total English ,page 108----110)

## Instructions

1. Fill in each detail required--your name, class, section, Roll number, subject, submitted to , date of submission, your signature etc.
2. Write a Preface, acknowledgement, content and bibliography or reference books.
3. Use only one side of the page to write. The other side is to be used to draw/ paste pictures related to the context.
4. Read each question carefully and follow the instructions.
5. Maintain neatness. Contents should be divided into paragraphs. Each answer must be written on a separate page.
6. Your answers should be original, avoid copying other's note. Copied assignment will carry no marks.
7. Assignment should be written/ made creatively.

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## **ENGLISH – II**

### SECTION-A

#### [DRAMA-THE MERCHANT OF VENICE]

- I. Give a brief description of William Shakespeare's life and career.
- II. Prove Shylock as the true antagonist of **THE MERCHANT OF VENICE**, through Act-4 Scene-1
- III. Explain the following Classical Myth stories.
  - a. TROILUS AND CRESSIDA
  - b. THISBE AND PYRAMUS
  - c. DIDO AND AENEAS
  - d. MEDEA AND AESON

### SECTION-B

#### [POETRY-ICSE COLLECTION OF POEMS]

- IV.
  1. Give a short profile description of David Roth.
  2. Write the interpretation of the poem "**NINE GOLD MEDALS**" with its poetic devices.

### SECTION-C

#### [SHORT STORY-ICSE COLLECTION OF SHORT STORIES]

- V.
  1. Give a career profile of Norah Burke.
  2. Explain the following themes of "**THE BLUE BEAD**" in 150-200 words:
    - a. THE STRUGGLE FOR SURVIVAL
    - b. POVERTY
    - c. WISH FULFILLMENT
- VI. Illustrate the following themes from the story "**THE LITTLE MATCH GIRL**" in 150-200 words:
  - a. POVERTY
  - b. INNOCENCE OF THE LITTLE GIRL
  - c. DREAMS AND WISHES

d. WARMTH OF LOVE

**GUIDELINES FOR INTERNAL ASSESSMENT IN ENGLISH LITERATURE**

- ❖ Use A4 Size plain/ruled sheets to write the English-2 assignment.
- ❖ Use Office file for English-2 assignment.
- ❖ Use the one side of the page to write the assignment.
- ❖ Front page/Cover page, preface, acknowledgement, content/index and bibliography should be hand written.
- ❖ Use blue or black gel pen to write.
- ❖ Sketch pens or fancy colour pens can be used to write the headings only (except Red and Green).
- ❖ Use pictures/drawings in concern with the topics of the assignment.

**ASSIGNMENT EVALUATION CRITERIA**

<b>TOPICS</b>	<b>MARKS</b>
PREFACE	1
ACKNOWLEDGEMENT	1
BIBLIOGRAPHY	1
PRESENTATION/DECORATION/PICTURES & HANDWRITING	2
QUOTATIONS & ANNOTATIONS FROM TEXTBOOKS	3
APPRECIATION OF LANGUAGE AND CHARACTERIZATION	3
UNDERSTANDING OF THE TEXTBOOK- INTERPRETATION & CRITICAL APPRECIATIONS	4
CONTENT-CENTRAL THEMES/IDEA	5

**FRONT PAGE/COVER PAGE**

**ASSIGNMENT IN ENGLISH-2**

**TOPICS:**

1. Description of William Shakespeare's life and career
2. ....
3. ....
4. Profile description of **David Roth**
5. ....
6. Themes - "**THE LITTLE MATCH GIRL**

In partial fulfillment of the Academic requirements of Class X syllabus during the session 2022-2023.

NAME OF THE STUDENT: .....

ADMISSION NUMBER: .....

CLASS: ..... SEC: ..... ROLL NO.: .....

DATE OF

SUBMISSION: ...../...../.....(DD/MM/YYYY)

(Sign of the student)

(Sign of the examiner)

### PREFACE

I, ... (*Name of the student*)....., of the class X (*section*) is presenting the assignment on the following topics mentioned below:

1. Life and career of William Shakespeare
2. ....
3. ....
4. Profile description of **David Roth**
5. ....
6. Themes - **“THE LITTLE MATCH GIRL**

as per the requirements of the syllabus prescribed by ICSE Board for Class X.

For the completion of this assignment, I have utilized many internet sources and referred different books. I am sure that this assignment has enriched my knowledge in the English Literature.

I have tried my level best to present and prepare this assignment in a systematic and logical order that would be useful for completion of ICSE Board Examination.

I shall be thankful to the reader/Teacher for spending their precious time in reading this assignment.

### ACKNOWLEDGEMENT

First and foremost, I would like to thank the Almighty, who showered his blessings on me to make this assignment a successful one.

I would like express to my special thanks of gratitude to our Rev. Fr. Saji Paul, the Principal of St. Basil's School, Basti, for providing the facility of Library that helped me a lot to collect data and information for my assignment.

I would also like to thank my subject teacher, Mr. Gopa Kumar S.P who gave me the excellent opportunity to complete this wonderful assignment under his guidance.

At last but not the least, I would like to thank my parents and friends who helped me a lot in finalizing this assignment within the limited time frame to make this assignment a successful one.

Thank you,

(Name of the student)

#### CONTENT/INDEX PAGE

Sl.No.	Topics	Page Number	Teacher's Remark/Sign
1.	Life and career of William Shakespeare		
2.			
3.			
4.	Profile description of <b>David Roth</b>		
5.			
6.	Themes - " <b>THE LITTLE MATCH GIRL</b>		
7.	Bibliography		

## BIBLIOGRAPHY

### BOOKS:

I utilized the following books for completing my assignment:

Serial number	Title of the article/book	Editor/Auth or Name	Name of publication company
1.			
2.			
3.			

### WEBSITES:

I referred the following websites for completing my assignment:

Serial number	Websites
1.	
2.	
3.	

## HINDI

1. पर्यावरण से आप क्या समझते हैं ? पर्यावरण को प्रदूषण मुक्त कैसे बनाया जा सकता है ? आप अपने विद्यालय के परिवेश को प्रदूषण मुक्त बनाने के लिए क्या - क्या कर सकते हैं ?
2. 'बड़े घर की बेटी' कहानी के लेखक 'प्रेमचंद जी' का साहित्यिक परिचय देते हुए कहानी का सारांश लिखिए तथा कहानी का उद्देश्य भी स्पष्ट कीजिए ।
3. कवि 'सूरदास जी' का जीवन परिचय देते हुए उनके कृतित्व पर प्रकाश डालिए तथा पाठ में संकलित पदों का शब्दार्थ सहित भावार्थ लिखिए ।

## **MATHEMATICS**

### I. Banking

- (a) Explain about Banking
- (b) Write different types of bank deposits and explain any three of them (their uses, how they calculate the interest etc.)
- (c) Describe the procedure to open an account

II. Describe about any one Mathematician and briefly explain about his main invention.

### III. Matrices

- (i) Explain about Matrix
- (ii) Types of matrices with one example
- (iii) Addition and subtraction of matrices, explain with one example
- (iv) Explain Multiplication of matrix by a scalar ( with example)
- (v) Explain Multiplication of Matrices ( with example)

## **HISTORY**

Write an assignment on any one of the mass movements organized under the leadership of Mahatma Gandhi.

- Non-Cooperation Movement
- Civil Disobedience movement

## **GEOGRAPHY**

Prepare a detailed project report on any one of the following topics-

1. Growth and development of tourism in India.
2. Wildlife conservation efforts in India.
3. Transport in India -road, rail, air and water transport .
4. Need for industrialisation in India.

## **PHYSICS**

### **Topic - I : Work, Power and Energy.**

#### Work

- Definition of work
- Formula
- S.I and CGS units of work (definitions)
- Relation between S I and CGS units
- Different types of work with examples

#### Power

- Definition of power
- Formula

S I and CGS units of power (definitions)

Relation between S I and CGS unit.

Bigger units of power

### Energy

Energy definition and unit

Special units of energy

### Mechanical Energy

Definition of mechanical energy

Classification of mechanical energy

(Kinetic and potential)

Derivation of mathematical expression for kinetic energy

Derivation of mathematical expression for potential energy.

Law of conservation of energy.

Mathematical proof for law of conservation of energy.

### **Topic – II: Machines**

Technical terms related to machines

Different functions of machines

#### Lever and its classifications

(For each class lever write the definition, draw two labelled figures and write the usefulness of it)

#### Pulley system

Draw the labelled diagrams of

i) Single fixed Pulley

ii) Single movable Pulley

iii) Block and tackle pulley system ( having even and odd number of pulleys )

In all the figures mark the direction of load, effort and tension. Also write its mechanical advantage , velocity ratio and usefulness of it.

#### Format of the assignment

Introduction

Acknowledgement

Body

Conclusion.

(Make your assignment in a file. Use ruled pages for the writing work and plain pages for the diagrams.)

## **CHEMISTRY**

### **Topic- Periodic Table**

1) Explain the development of periodic table

2) Explain the modern periodic table

3) Explain the different types of group elements such as

i) Alkali metals

ii) Alkaline earth metals

iii) Halogens

iv) Noble gases

4) Explain merits and demerits of modern periodic table



5) Make a modern periodic table on A-4 sheet and colour the different types of elements.

### **Topic - Chemical Bonding**

- 1) What is the cause of chemical bonding ?
- 2) Explain all the three types of bonding with examples.
  - i) Ionic or electro valent
  - ii) Covalent bond
  - iii) Coordinate bond
- 3) Show the electron dot diagram for the following ionic compounds  
NaCl, KCl, CaO, MgO, MgCl<sub>2</sub>, CaCl<sub>2</sub>, Na<sub>2</sub>O, Na<sub>2</sub>S
- 4) Show the electron dot diagram for the following covalent molecules.  
H<sub>2</sub>, Cl<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, NH<sub>3</sub>, H<sub>2</sub>O, H<sub>2</sub>S, CO<sub>2</sub>, HCl
- 5) Show the electron dot diagram of H<sub>3</sub>O<sup>+</sup> and NH<sub>4</sub><sup>+</sup> ions.

#### **Guidelines**

- 1- Select any one topic according to your choice.
- 2- Write the project on 60 pages or 100 pages long register.
- 3- Write both the sides of pages, left side can be used for diagram and right Side can be used for explanation
- 4- The following should be present in the project:-
  - a) Index
  - b) Introduction
  - c) Contents (minimum 15 pages and maximum 25 pages)
  - d) Bibliography

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### **BIOLOGY**

*Prepare a project work on the given topics in a systematic manner along with well labelled diagrams where ever needed.*

**Q1. Describe the DNA double helix structure given by Watson and Crick.**

**Q2. Explain the types of chromosomes on the basis of location of centromere.**

**Q3. Explain the factors affecting the rate of transpiration.**

**Q4. Explain the 'Global Warming' its causes and effects on living world.**

**Note: You should use a one side plane and one side ruled copy. Written work will be on ruled side and diagrams on the plane side.**

Page 1

# St. Basil's School, Basti

PROJECT WORK 2022-23

BIOLOGY

Student's Name-

Teacher 's Name-

Class-            Section-

Teacher's signature

Student's Signature

Page2            Preface

Page3            Acknowledgement

Page4            Index

Page5            Start questions from here

On the last page write Bibliography

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## COMPUTER

1. Explain four principles (Abstractions, Polymorphism, Encapsulation & Inheritance) of Object-Oriented Programming Language and use of them in Java programming.

2. Explain about Math class along with the following mathematical functions: (Syntax & Examples both are required)
  - i. Math.random()
  - ii. Math.ceil()
  - iii. Math.floor()
  - iv. Math rint()
  - v. Math.round()
  - vi. Math.cbrt()
  - vii. Math.sqrt()
3. Evaluate of the following: (Working & reasons are required )
  - i. If the values of the variables are: int p, w; k = 8, m=11, r = 7;
    - a.  $p = m + (-r + k) + 3 * (m++) * m$
    - b.  $k += (-m \% 5) * (m++ * (10 + r++))$
    - c.  $w = k * (m++ / 3) + (k + (--r + r++))$
    - d.  $p = (r++ \% 7) + (-m \% 5) + k * (++k - 8)$
  - ii.  $10 * 20 + 30 / 15 - 42 / 21 + 2 * 10$
  - iii.  $38.765 > 12.225 || 38 > 100.38$
  - iv.  $34.75 / 0.25 * 10 + 28.50 \% 4$
  - v.  $28 > 4 \&\& 30 >= 30 \&\& 45.98767 >= 45.9877f$
4. Write the programs in Java of the following :( Variable descriptions & documentations required with every program)
  - i. Write a program to input three numbers and display the greatest & smallest number. (Use Mathematical functions)
  - ii. The City Library charges late fine from members if the books were not returned on time as per the following table:

Number of days late	Magazines fine per day	Text books fine per day
Up to 5 days	Rs.1	Rs.2
6 to 10 days	Rs.2	Rs.3
11 to 15 days	Rs.3	Rs.4
16 to 20 days	Rs.5	Rs.6
More than 20 days	Rs.6	Rs.7

Using the switch statement, write a program in Java to input name of person, number of days late and type of book – ‘M’ for Magazine and ‘T’ for Text book. Compute the total fine and display it along with the name of the person.

- iii. Define a class ElectricBill with the following specifications:  
 Class: ElectricBill  
 Instance variables / data members  
 String n – to store the name of the customer.  
 int units – to store the number units consumed.  
 double bill – to store the amount to be paid.  
 Member methods:  
 void accept () – to accept the name of the customer and number of units consumed.  
 void calculate () – to calculate the bill as per the following tariff.

Number of units	Rate per unit
First 100 units	2.00
Next 200 units	3.00
Above 300 units	5.00

A surcharge of 2.5% charged if the number of units consumed is above 300 units.

void display () – to print the details as follows:

Name of the customer:       XXXXXXXXXX

Number of units consumed: XXXXXXXXXXXX

Bill amount:                   XXXXXXXXXX

Write a main method to create an object of the class and call the above member methods.

- iv. The telephone department computes monthly telephone bill using the given rules on the basis of calls:

Number of calls	Rate
First 100 call	Rs 250/- as rental charge.
Next 100 call	60 paisa per call + rental charge.
Next 100 call	50 paisa per call + rental charge.
Any call above 300 calls	40 paisa per call + rental charge.

Write a program to input number of calls and compute total bill amount. Print all the data members.

- v. An institution has decided to admit new candidates in different streams on the following criteria:

Total marks obtained	Stream offered
300 and above	Science
200 and above but less than 300	Commerce
Below 200 but not below 75	Arts
Otherwise	you are in the waiting list

Write a program to input total marks obtained in an examination and print the stream allotted.

5. Write the Syntax of the following: (Only syntax no examples)

- i. Switch & nested switch case statement.
- ii. If else if statement & Nested if statement.
- iii. Ternary Operator or Conditional Operator & its nested form
- iv. Looping statement (for, while & while loop) & Nested for loop statement.