

**TOPICS FOR PROJECT 2024-2025
GRADE - X**

GENERAL GUIDELINES FOR ALL SUBJECTS ICSE PROJECTS 2024 -25:

- ✓ First page should include the following details:
Name: [Surname Name]
Std. Div.
Roll No.
Subject: "Literature in English : ICSE Project 2024-25" (EXAMPLE)
- ✓ Attempt ALL the assignments.
- ✓ ONLY use WHITE A4 size BOND papers [interleaf].
- ✓ Outer cover should be attractive and creative. It can be neatly printed.
- ✓ Matter should be well organized.
- ✓ Leave a line after every paragraph.
- ✓ Use an INK PEN [Blue/Black] to write. Please avoid glitter/sketch pens to write. Maintain neatness.
- ✓ Paste a postcard or two postcard pictures on the plain side of the paper.
Avoid tapes please.
Images should be appropriately captioned and bordered.
- ✓ End with a bibliography.
- ✓ Your project is for 20 marks

The project must be spiral bound. Avoid using staplers, strings, pins, etc.

LANGUAGE

Write an essay (750 words) titled 'My Journey as a Senior School student at St Peter's'. Reflect on your personal escapades, the difficulties you faced, the joys you experienced, the highs and lows and how you coped with them all to be- YOU

LITERATURE

EACH segment of Literature comprising DRAMA, POETRY & PROSE should be approximately of 500 words.

A. DRAMA: JULIUS CAESAR by William Shakespeare

I) Of the two women characters in the play, Portia and Calpurnia, who impresses you more? Justify your answer by giving references from the play.

II) Shakespeare has portrayed Anthony as the master of oration and manipulation in the play. Do you think these are the important traits of a politician? Justify your answer by comparing him to a politician you admire the most.

B. POETRY

'Love is a dangerous game', how Leigh Hunt, the poet, proved that in love, one's need for attention and validation, can shape one's actions and stretch them beyond that which might seem appropriate.

Would a 'Gen Z' do something like this for love or validation? Justify your answer.

State the subtleness through which the poem is written.

C. PROSE

How has the author used the elements of a horror story in the Short Story 'The Elevator'?

Stick a picture of your worst nightmare and narrate it, use the elements used by the author.

History and Civics

Grade X

History: War doesn't show who's right, just who is left.

Do you agree with this statement? Support your project with relevant examples and arguments.

You should include the following

1. Effects of war
2. Money being spent on defence
3. The current scenario around the world
4. Leaders and artists who have encouraged peace (3)
5. Your opinion on war, whether it is necessary or not.

Civics:

Imagine that you are to start a political party of your own.

1. What would its symbol and name be?
2. How would you ensure fair and free elections?
3. What would the functions of your party be?

GEOGRAPHY

Topic: ENERGY RESOURCES

- Multipurpose projects in India.
- Name of the project.
- The reservoirs.
- Associated rivers
- Three benefits of each river.
- Three disadvantages of each river.
- Pictures of each project.
- India Political maps to marks the river, show the area of the dam and mark the beneficiary states.

PHYSICS

Experiments done in physics journal through the course of the year

CHEMISTRY

Chemistry Journal work

BIOLOGY

Practical's and journal work

ECONOMICS

Topic 1

Visit to a Commercial Bank in your area and write the information on the following services given by the commercial Banks.

- ❖ Deposit services
- ❖ Lending services
- ❖ Electronic services
- ❖ Investment services

Topic 2

“The impact of Inflation on consumer purchasing power”. A comparative analysis of different income group.

COMMERCIAL STUDIES

TOPIC 1

Refer to a **case study** on the following topics

- Internet and Cyber fraud
- Debit Card and Credit card fraud

Write a report on the above topics and also find out the steps taken by the Reserve Bank of India (RBI) to minimize these frauds.

TOPIC 2

ADVERTISEMENT

The **impact of Social Media Advertising** on consumer behavior.

Role of celebrity endorsements in advertising effectiveness.

Effective **Sales promotion techniques** used by the companies for influencing the consumers.

MATHEMATICS

TOPIC: BANKING

1. Index
2. Introduction – Importance of saving
3. History of Banking
4. Functions of a Bank
5. Types of Bank accounts and its advantages
6. Procedure for opening a Bank account
7. Calculation of maturity amount on Recurring Deposit
8. Write the current interest rates of FD and RD of 5 banks for 1 year
9. Draw logo and write slogan for any 5 Indian banks
10. ABC of financial literacy

Write vocabulary related to Banking in English alphabets A to Z.

Eg. C – currency

Z – zero balance account

11. Write slogans based on savings

Eg. Invest now, and your future self will thank you.

12. What are the key aspects of electronic banking, debit and credit cards, and their safe usage? Elaborate with respect to the questions given below.

i. Advantages and disadvantages of E-banking.

ii. Difference between Debit card and Credit card.

iii. Precautions while using Credit and Debit cards.

iv. Draw/stick the picture of front and back of a Debit card and label it.

13. Amit deposited ₹200 per month in bank A for 4 years under the Recurring Deposit Scheme and he received ₹11364 at the time of maturity. His wife Geeta deposited ₹150 per month in bank B for 4 years under the Recurring Deposit Scheme and received ₹8670 at the time of maturity. Which bank is more profitable?

14. Rachit started paying ₹800 per month in a 6 year recurring deposit. After 2 years, he started one more R.D. account in which he deposited ₹1500 per month. If the bank pays 10% per annum simple interest in both the deposits, find at the end of 6 years, which R. D. will give more money and by how much?

15. Explain why financial literacy is a valuable life skill?

ART

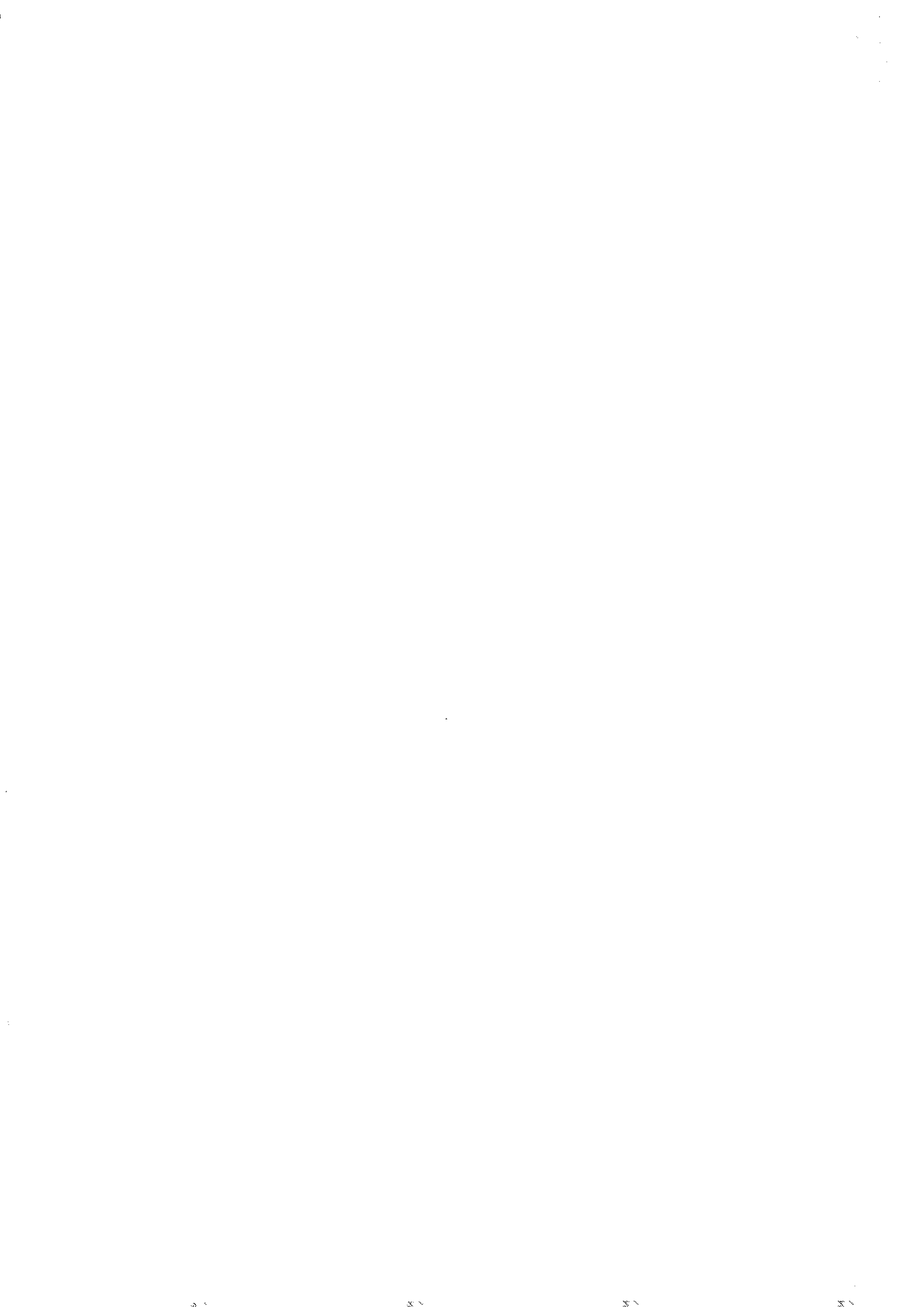
2 Canvas Paintings

Size - 1) 30x 30 nches.

And

2)20 x 20 inches

The size of canvas should be close to sizes mentioned above. Slight deviation from the size is acceptable.



ST PETER'S SCHOOL MAZGAON MUMBAI-10

COMPUTER APPLICATION CLASS 10 PROJECT 2024-25

NOTE: Project to be done in Interleaf Journal.

Cover the Journal with White sheet.

On the Right Side of the Journal Program to be written.

Left Side of the Journal Question and Variable description table to be written.

Questions can be printed and stuck or Hand written.

- 1) Write a program to accept 10 number from the user. Input a number from the user and find occurrence of the number.
- 2) Write a program to accept 5 names from the user and print them in descending order using bubble sort.
- 3) Write a program to initialize the seven Wonders of the World along with their locations in two different arrays. Search for a name of the country input by the user. If found, display the name of the country along with its Wonder, otherwise display "Sorry Not Found!"

Seven wonders – "CHICHEN ITZA", CHRIST THE REDEEMER, TAJMAHAL,
GREAT WALL OF CHINA, MACHU PICCHU, PETRA, COLOSSEUM

Locations – MEXICO, BRAZIL, INDIA, CHINA, PERU, JORDAN, ITALY

Example – Country Name: INDIA Output: INDIA – TAJMAHAL

Country Name: USA

Output: Sorry Not Found!

- 4) Write a program to search location of a number from a given array using Binary search.
Data given: 2,4,6,8,10,12,14,16,18,20
- 5) Write a program to input two different integer array and then join them into third array
Array first will have 6 elements and Array second will have 4 elements.
Example `int A[]={1,2,3,4,5,6}`
`int B[]={7,8,9,10}`
`int C[]={1,2,3,4,5,6,7,8,9,10}`
- 6) Write a program to input 5 std code and 5 city names from the user in an array
Input city name and print the following std code
- 7) Write a program to input a double dimension array of 3 rows and 3 columns.
Print the sum of left diagonal and right diagonal.
- 8) Write a program to input a double dimension array of 4 rows and 4 columns.
Print the sum of even numbers and product of odd number
- 9) Write a program to accept 15 numbers from the user in a single subscripted variable and
print the following.
 - a) sum of positive numbers
 - b) product of negative numbers
 - c) sum of all numbers.

10) Write a program to generate a triangle or an inverted triangle till n terms based on the

user choice of triangle to be displayed.

Example:

Type 1 for triangle

```
1
1 2
1 2 3
1 2 3 4
```

Type 2 for Inverted triangle

```
1 2 3 4
1 2 3
1 2
1
```

11) Design a class Railways with the following description:

Instance variables/data members:

String name : to store the name of the customer.
String coach : to store the type of coach customer wants to travel.
long mobno : to store customer's mobile number.
int amt : to store basic amount of ticket.
int totalamt : to store the amount to be paid after updating the original amount.

Member Methods :

void accept() : to take input for name, coach, mobile number and amount.
void update() : to update the amount as per the coach selected. Extra amount to be added in the amount as follows:

Type of coaches	Amount
First_AC	1000
Second_AC	750
Third_AC	500
sleeper	250

void display() : To display all details of a customer such as name, coach, total amount and mobile number.

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

12) Define a class Bill with following specifications:

Class Name -Bill

Instance variables

String name - to store the name of the customer
int units - to store the number of units consumed
double bill - to store the amount to be paid.

Member methods:

void accept() - to accept name of customer and number of units consumed.
void calculate() - to calculate the bill as per following tariff:

Number of Units	Rate per Unit
First 100 Units	Rs.1.00
Next 200 Units	Rs 2.00
Next 200 Units	Rs.3.00
Above 500 Units	Rs.4.00

A surcharge of 2.5% charged if number of units consumed is above 500 units.

void print() - to print details as follows:

Name of Customer Number of Units Consumed Bill Amount

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

13) Write a program using switch case to print the following option

Press 1 to input a number and check whether it is prime or composite number
Press 2 to check whether the entered number is palindrome or not.

For an incorrect choice, an appropriate error message should be displayed.

14) Write a program to accept a two-digit number. Add the sum of its digits to the product of its digits. If the value is equal to the number input, output the message "special-two digit number" otherwise, output the message "Not a special two-digit number".

A special two-digit number is such that when the sum of the digits is added to the product of its digits, the result is equal to the original two-digit number.

Example:

Input	=	59
Sum of Digit	=	5+9=14
Product of Digit	=	5*9=45
Sum of the digits and product of digits	=	14 + 45 = 59

15) Write a program to input a number and check whether it is perfect number or not

A perfect number is any integer that equals the sum of its divisors (including 1 and excluding the number itself).

For example, consider the number 6. The divisors of 6 are 1, 2 and 3. Excluding the number itself

Example Input Number =6

The sum of other divisors is equal to 6 (1+2+3 = 6). Hence 6 is a perfect number.

16) Design a class to overload a function series() as follows:

(a) void series(int x, int n) : to display the sum of the series given below:
 $x^1 + x^2 + x^3 + \dots + x^n$ terms

(b) void series(int p) : to display the following series:
0, 7, 26, 63, ... p terms.

(c) void series() : to display the sum of the series given below:
 $1/2 + 1/3 + 1/4 + \dots + 1/10$

17) Design a class to overload a function volume() as follows:

(i) double volume(double r) -- with radius 'r' as an argument, returns the volume of sphere using the formula:
 $v = 4/3 \times 22/7 \times r^3$

(ii) double volume(double h, double r) -- with height 'h' and radius 'r' as the arguments, returns the volume of a cylinder using the formula:
 $v = 22/7 \times r^2 \times h$

(iii) double volume(double l, double b, double h) -- with length 'l', breadth 'b' and height 'h' as the arguments, returns the volume of a cuboid using the formula:
 $v = l \times b \times h$

18) WAP to input a String from the user and count the number of Capital letters, Small Letters, space, digits and number of words from the input String

Input : Class 10 ABCDEFGH

Output :

Capital Letters	:	9
Small Letters	:	4
Space	:	2
Digits	:	2
Words	:	3

19) Write a program to accept a word. Check and display whether the word is a palindrome or only a special word or none of them.

Special words are those words which start and end with the same letter.

Example: EXISTENCE, COMIC, WINDOW

Palindrome words are those words which read the same from left to right and vice-versa.

Example: MALYALAM, MADAM, LEVEL, ROTATOR, CIVIC

All palindrome word are special words but all special words are not palindrome word.

20) Write a program to accept a word and convert it into lowercase if it is in uppercase, and display the new word by replacing only the consonants with the character before it.

Example

Sample Input : cat

Sample Output : bas

STD.:- 10th

हिन्दी परियोजना

HINDI PROJECT

1) कवि की जीवनी :-

सूर्यकांत त्रिपाठी 'निराला'

(400 शब्द)

2) निबंध लेखन :-

वर्तमान युग में मोबाइल फोन आज जीवन की आवश्यकता बन गया है। इस विषय पर अपने विचार प्रकट कीजिए और बताइए कि मोबाइल फोन जीवन में सुविधा के साथ-साथ मुसीबत किस प्रकार बन जाता है।

(400 शब्द)

3) कहानी लेखन: -

एक मछली सारे तालाब को गंदा करती है - कहावत के आधार पर कोई मौलिक कहानी लिखिए।

(350 शब्द)

4) सारांश लेखन: -

'बड़े घर की बेटी' कहानी का सारांश अपने शब्दों में लिखिए।

(350 शब्द)

STD - X- [मराठी प्रकल्प]

MARATHI PROJECT - 2024/25

• कवीचा परिचय -

महाराष्ट्रातील ' संत नामदेव व संत एकनाथ ' यांच्याविषयी चित्रासहित माहिती लिहा .

[४०० शब्द]

• निबंध लेखन -

१) ' मानवी जीवनातील पाण्याचे महत्त्व ' या विषयावर तुमचे विचार लिहा .

[३५० शब्द]

२) ' युग संगणकाचे 'या विषयावर तुमचे मत स्पष्ट करा .

[३०० शब्द]

• सारांश लेखन -

' चुडीवाला ' या पाठाचे सारांश लेखन स्वतःच्या शब्दात लिहा .

[३०० शब्द]