ST. JOSEPH'S ACADEMY
HOLIDAY HOMEWORK (2025-2026)
ENGLISH
CLASS XI – A, B, C, D, E

NOTE:

- Use A4 size sheets coloured or designer paper sheets for the project.
- Use sketch pens for heading and coloured pens for content.
- Make a creative cover page.
- Handwriting should be neat and tidy.
- Paste suitable pictures wherever possible.
- After compiling it should be submitted in spiral binding.

ACTIVITY- 1

Project -Portfolio
Read the lesson Discovering Tut- The Saga continues and prepare a Portfolio on the events related to it.

- Cover page, with title of project and details of students
- Information about the author
- Period in which the story was written and its relevance in relation with those times
- Events
- Plot
- Theme
- Characteristics
- Message
- Central Idea

ACTIVITY 2

POSTER DESIGNING

Design a poster on any 1 topic on A4 size sheet.

You are making an effort to spread the message of Communal Harmony. Prepare a poster with catchy slogans to be displayed in prominent places. You are a member of Lions Club, Green Gardens, New Delhi-5

OR

Design a poster urging the youngsters to join Defence Services / Indian Army.

ACTIVITY 3

STORY REVIEW

Write a book review on any Novel/Drama/Story

ACTIVITY 4

ASL
Elevator Pitch

- Like advertisement activity, this project also focuses on commercial communication.
- You have to pitch for a startup business which you want to promote and advertise
- Detail the necessary information and persuasive tactics.
- You can create your own business model or take any one from the vast market
- Advertise and present the whole concept in 3 minutes.
- You may introduce your advertisement through PPT.

ACTIVITY 5

Read all the lessons done in class and complete the notes, assignments related to them in English Register.

Read newspaper everyday. Develop reading and writing habit.

CLASS: XI A, B, C, D, E

SUBJECT: PHYSICAL EDUCATION (048)

PRACTICAL FILE / PROJECT WORK

Instructions:

- - All work is to be done in the Physical Education Practical File only.
- - Paste relevant pictures wherever necessary.
- - Ensure the explanation is clear, neat, and topic-based.
- - The completed practical file must be submitted on the first day after the school reopens.

PRACTICAL WORK TOPICS:

1. Practical – 1:

Draw and label the 400 M Track & Field diagram with proper computations. Include lane markings, starting positions, and radius calculations.

2. Practical – 2:

Write a descriptive note on Changing Trends in Sports & Games. Include changes in:

- - Playing surfaces
- - Wearable gears
- - Equipment
- - Technological advancements (like VAR, Hawk-Eye, fitness trackers, etc.)

3. Practical – 3:

Draw a labelled diagram of the field & equipment of any one IOA recognised Sport/Game of your choice. Paste relevant pictures.

4. Practical – 4:

Choose any one IOA recognised Sport/Game (can be the same or different from Practical 3). Include the following:

- - Labelled diagram of field & equipment

- - Basic rules of the game
- - Common terminologies used
- - Fundamental skills required to play

Economics (030)

I. Make a project file on one topic as discussed in class following given instructions:

A) Ring file must be used.
B) For writing section , use either designer or self – created design sheets.
C) Paste relevant pictures wherever necessary
D) Avoid glitter pens, sheets.
E) Include Research work like charts, case study, pie diagram, newspaper cutting, articles relevant to the topic.
F) Minimum pages should be at least 30, maximum has no limit.
G) Last date for submission : First day after school reopens.

II. Do following questions in practice notebook .

Statistics

A. Short Answer Type Questions

1. Scarcity causes economic problem. How?

2. Problem of choice is unavoidable in the ordinary business of life. How?

3. “Statistical methods are dangerous weapons in the hands of an unqualified person."

B. Long Answer Type Questions:

1. Absence of scarcity would mean absence of economics. Explain with logical reasoning.

2. "Statistics is defined as aggregate of numerical facts." Give a few examples.

3. "Statistics is defined as the 'science' & ‘ art’ which deals with the analysis of statistical data. Explain.

4. "There are three kinds of lies-lies, damned lies and Statistics." Explain the statement.

Micro Economics

A.Long Answer Questions:

1. Why do central problems arise? Explain with examples.

2. Explain three central problems with their guiding principles

3. Gulf countries have acquired more capital goods by selling oil to variance countries what would be its impact on production possibility curve?

4. What will be the impact of improvement in technology of good X while deterioration of technology of good Y simultaneously ,on the PPC of home country?

5. Any economy produces two goods Barley and jowar and the following table summarises its production possibilities. calculate marginal opportunity cost of Barley at various combinations.

Barley	Jowar
100	0
80	25
55	50

25	75
10	85
0	87

HISTORY

A. PROJECT WORK

1. As per division of topics.
2. Follow the guidelines of CBSE.
3. Format should be same as taught in class.
    - Cover Page should be attractive as per topic.

B**. Prepare all the case studies and map in a folder as sent through groups.**

C. Prepare for UTs.

POLITICAL SCIENCE

A. PROJECT WORK

1. As per division of topics done in class.
2. Follow the guidelines of CBSE.
3. Format should be same as taught in class.
    - Cover Page should be attractive as per topic.
    - Paste relevant pictures
    - Content should have a proper order and timeline

B**. Prepare all the chapters and complete the copy work with the Cartoons of all the chapters. Each Cartoon you will explain and the question will be – "What does the cartoon represent"?**

Subject-Informatics Practices(065)

Teacher's Name-Charu Dhingra

Instructions –

*Do all the questions in the subject notebook .

*Complete your Note book work and submit your registers with this work on the assigned day after reopening.

*Make a presentation (ppt) on the topic allotted to your group .

*submission date for the register/notebook will be on 4-7-25(Friday)

Q1. Create a presentation to show different types of operators/ different types of core data types/ different types of tokens

Q2. Do the following assignment questions in notebook.

2.1) Evaluate the following expressions:

a) 8/4+4**2//5%2-8

b) 10 >= 5 and 7 < 12 or not 13 == 3

c) 6 * 3 + 4**2 // 5 – 8

d) 10 > 5 and 7 > 12 or not 18 > 3

e) 18 % 4 ** 3 // 7 + 9

f) 2 > 5 or 5 == 5 and not 12 <= 9

g) 6 * 3 + 4**2 // 5 – 8

h) 10 > 5 and 7 > 12 or not 18 > 3

i) 51+4-3**3//19-3

j) 1718 and not 19==0

k) 8 * 3 + 2**3 // 9 – 4

l) 12 > 15 and 8 > 12 or not 19 > 4

m) not(20>6) or (19>7)and(20==20)

n) 17%20

o) 2 ** 3 ** 2

p) 7 // 5 + 8 * 2 / 4 – 3

2.2) **If x = 2 Indicate what each of the following Python statements would print.**

i) print("x") ii)print('x') iii)print(x) iv)print("x + 1") v) print('x' + 1) vi) print(x + 1)

2.3) Predict the output:

```
>>>35 < 6
>>>5 > 2**2
>>>7 != 3.5 *2
>>>7 == 3.5 ** 2
>>> "Anil" > "Anita"
```

```
>>>eval('15')
>>>eval("6")
>>>eval(7)
>>>eval("5 + 8 * 6)
```

2.4) Identify the invalid variable name, specify reason.

```
a) m_n
b) unit_day
c) 24Apple
d) #sum
e) for
f) s name
```

2.5)

Write the output of the following:

```
print("hello * 5")
print("hello" * 5)
print("***" * 5)
print("Hello", "how", "R", "U")
print("Hello" + "how" + "R" + "U")
print("Amit" + "Sethi")
print(23 + 9)
print ("7 + 9")
print(7/6)
print(7//6)
print(8 % 2)
print(3 % 7)
print(4 ** 3)
print (7 * 5)
print (8 - 16 )
```

2.6) Write the python expression.

```
z = u/5
z = 9ab + d
z = x+4/j + 7
```

Q3. Create following programs related to python fundamentals and data handling for report file.

1. Write a program to show working of all arithmetic operator
2. Write a program to show Area of rectangle, square, circle.
3. Write a program to print your name, school name.
4. Write a program to input a number and find its 5 multiples in different lines.
5. Write program to show the working of escape sequences.
6. Write a program to convert Fahrenheit to Celsius and Celsius to Fahrenheit
7. Write a program to show swapping of number using temporary or without variable
8. Write a program to show convert height , in centimeter, convert it in feet and inches
9. Write a program to input principle, rate, time and find simple interest and compound interest.
10. Write a program to enter number of days and convert it into years, months, weeks and remaining days.
11. Write a program to enter n and print n2,n3,n4.
12. Write a program to enter two numbers and find its quotient and remainder.
13. Write a program to show the working of sep and end arguments of print operator.
14. Declare different types of variables and print their values, types and ids.

SUBJECT- MATHEMATICS

1. Do the following activities in Maths Practical File:
   - Activity 1: To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2^n.
   - Activity 2: To verify that for two sets A and B, n(A×B) = pq and the total number of relations from A to B is 2^{pq}, where n(A)=p and n(B)= q.
   - Activity 3: To represent set theoretic operations using Venn Diagrams.
   - Activity 4: To distinguish between a Relation and a Function.
   - Activity 5: To verify the relation between the degree measure and the radian measure of an angle.
   - Activity 6: To interpret geometrically the meaning of i = $\sqrt{-1}$ and its integral powers.
   - Activity 7: To verify that the graph of a given inequality, say 5x+4y-40<0, a,b>0, c<0 represents only one of the two half planes.
   - Activity 8: To find the number of ways in which three cards can be selected from given five cards.
   - Activity 9: To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent.
   - Activity 10: To construct different types of conic sections.
   - Activity 11: To construct a parabola.
   - Activity 12: To explain the concept of octants by three mutually perpendicular planes in space.
   - Activity 13: To write the sample space, when a coin is tossed once, two times, three times, four times.
   - Activity 14: To find analytically $\lim_{x \to c} f(x) = \frac{x^2 - c^2}{x - c}$.
2. Draw Chart or make model on any of the topics given in the activities.
3. Learn Trigonometric Identities from Ch-3 thoroughly.
4. Practice questions from NCERT exemplar for Chapters done in class.