



Summer Vacation Homework

SURAJ SCHOOL





CLASS – 12th (Arts)

Admission No. _____ Class & Sec _____ Roll No. _____

Name _____ Father Name _____

Respected Parents,

Please do this in Holiday Homework Notebook. Please help your ward in this work.

Subject		❖ ENGLISH	
 Learning	Learn all short answers questions and long answer question from the following lessons and poem in Flamingo.		
	<div>Lessons<ul style="list-style-type: none">The Last LessonLost SpringDeep WaterThe RattrapIndigo</div>	<div>Poems<ul style="list-style-type: none">My Mother at Sixty SixKeeping QuietA Thing of BeautyA Roadside StandAunt Jennifer’s Tigers</div>	
 Writing	<div>Write theme and Message of each poem mentioned below :</div> <ul style="list-style-type: none">My Mother at Sixty SixKeeping QuietA Thing of BeautyA Roadside StandAunt Jennifer’s Tigers	<div>Write Seven notices based on the following:-</div> <ul style="list-style-type: none">Cultural ActivitiesAcademic ActivitiesSports, Excursion and FetesLost & Found	<div>Write articles having following titles :</div> <ul style="list-style-type: none">Changing trends in educationRole of youth in frightening corruptionStatus of women in societyWhy is tourism not flourishing in IndiaImportance of head work and punctuality in a student life
	Activity		
Cut 10 - 15 different reports from English Newspapers about current global issues and Social Problems and paste them in your notebook.			
Subject		❖ Music Hind Vocal	
 Learning +  Writing	1. ताल परिचय – रूपक ताल, झपताल, धमार ताल,		
	2. परिभाषाए – अंलकार, ग्राम, कण स्वर, वर्ण, आलाप, खटका, मुर्की, मूर्च्छना, गमक, मींड़, तान		
3. ग्रंथ परिचय – <input checked="" type="checkbox"/> संगीत रत्नाकर <input checked="" type="checkbox"/> संगीत परिजात			
4. रागो का शास्त्रीय परिचय – <input checked="" type="checkbox"/> राग भैरव <input checked="" type="checkbox"/> राग मालकौस <input checked="" type="checkbox"/> राग बागेश्री			
रागों के समय सिद्धांत के बारे में आप क्या जानते हैं? वर्णन कीजिए।			



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Subject	❖ Physical Education
<div> <div> Learning </div> <div> Writing </div> </div>	Unit 1 planning in sports Unit 2 children and women in sports
<div> Activity </div>	Prepare daily routine exercise for 21 st June

Subject	❖ Additional Mathematics								
<div> <div> Learning </div> <div> Writing </div> </div>	<p>❖ SOLVE CHAPTERWISE MCQ, ASSERTION - REASON, CASES BASED STUDY QUESTIONS & HOT OF FOLLOWING :</p> <div> <div>Ch-1 Relations & Functions</div> <div>Ch-2 Inverse Trigonometric Functions</div> <div>Ch-3 Algebra of Matrices</div> <div>Ch-4 Determinants</div> </div> <div> <div>Ch-5 Matrix Continued.</div> <div>Ch-6 Continuity of Differentiability</div> <div>Ch-7 Differentiation</div> </div> <p>❖ SOLVE NCERT QUESTIONS CHAPTERWISE AS FOLLOWS :</p> <table> <tr> <td>Ch-1 Relations & Functions</td><td>Ch-5 Matrix Continued.</td></tr> <tr> <td>Ch-2 Inverse Trigonometric Functions</td><td>Ch-6 Continuity of Differentiability</td></tr> <tr> <td>Ch-3 Algebra of Matrices</td><td>Ch-7 Differentiation</td></tr> <tr> <td>Ch-4 Determinants</td><td></td></tr> </table>	Ch-1 Relations & Functions	Ch-5 Matrix Continued.	Ch-2 Inverse Trigonometric Functions	Ch-6 Continuity of Differentiability	Ch-3 Algebra of Matrices	Ch-7 Differentiation	Ch-4 Determinants	
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Ch-4 Determinants									
<div> Activity </div>	<p>❖ MAKE A CHART ON :-</p> <ul style="list-style-type: none"> ✓ Draw an activity to demonstrate a function which is not one - one but onto ✓ Draw an activity to verify that the relation R in the set L fall lines in a plane, defined by $R=\{(l,m):l \mid m \text{ is an equivalence relation}\}$ ✓ Make a 4x4 sheet for the formulae of differentiation 								
Subject	❖ Geography								
<div> <div> Learning </div> <div> Writing </div> </div>	<p>Ch. 1 Human Geography “Nature and Scope” –</p> <ul style="list-style-type: none"> ✓ Naturalization of Human and Humanization of Nature, Neo-Determination <p>Ch.2 World Population : Distribution, Density & Growth :-</p> <ul style="list-style-type: none"> ✓ Factors affecting the population of distribution , Components of Population change, Pull and push, Factors of Migration and Demographic Transition Theory. <p>Ch.4 Human Development : -</p> <ul style="list-style-type: none"> ✓ Four approaches of human development and indicators of human development Index. (HDI) <p>Ch.5 Primary Activities :</p> <ul style="list-style-type: none"> ✓ Nomadic Herding and Commercial livestock Rearing, Plantation Agriculture, Dairy Farming and Mediterranean Agriculture <p>Ch.6 Secondary Activities :</p> <ul style="list-style-type: none"> ✓ Classification of Industries and Factors affecting the location of industries ✓ Ch.7 Tertiary & Quaternary activities : ✓ Services, Rural and urban marketing Centre, Retail and wholesale services, Quaternary and Quinary services. 								
<div> Activity </div>	<ul style="list-style-type: none"> ✓ Map Work : Chapter 5 and 8 (Ports and airports) world map, extensive commercial grain farming ✓ Make a chart of India Map and shows Capitals 								



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Subject	❖ Political Science
Learning + Writing	NCERT Questions and Answers of given chapters... 1. END OF BIPOLARITY 2. Alternative centre's of power 3. Politics of planned development 4. International organization 5. Challenges to Nation building
Activity	Prepare short notes of above all chapters Make two CHARTS (with pictures pasted on them related to topic) on the given topics below.. 1. India as Role of international origination 2. Effectiveness of European Union 3. Russian revolution 4. Mark 5 princely states of India political map
Subject	❖ Hindi
Writing	1 सांप्रदायिकता का जहर 2 धनोपार्जन के मूल्यहीन तरीके 3 राजमार्गों पर लूटपाट की घटनाएं विषयों पर अनुच्छेद लिखिए। (In fair notebook)
Learning	अभिव्यक्ति और माध्यम पुस्तक में से पाठ 3 के प्रश्नोत्तर याद करें।
Activity	1. बादल राग कविता को आकर्षक ढंग से चित्रित करके अपनी उत्तरपुस्तिका में कविता लिखें। 2. किसी समाचार पत्र में से पलैश न्यूज, स्तंभ लेखन, संपादकीय, विज्ञापन, फोटो, ग्राफिक्स, रेखांकन, फीचर की फोटो काटकर सुंदर ढंग से अपनी उत्तरपुस्तिका में लगाएं। (In fair notebook)

Subject	❖ History
Learning	CHP 1 to 6 : Learn NCERT Exercise
Writing	CHP 1 to 6 : Do 50 MCQ from Each Chapter in notebook
Activity	✓ Locate on the Map of India : - ○ Harrapan Sites : - Banawali, Rakhigarhi, Harappa, Kalibangan Loathal ○ Mahajanapadas Sites :- Taxila, Gandhara, Megadha, Ashmaka. ✓ On a Chart the images of Al-Biruni, Ibn-Battuta and Francois Bernier
Subject	❖ Economics
Learning + Writing	Learn and write questions and answer Ch. 1 to 12 in Macro economics Solve all numerical portion of Unit - 1 (National Income & related Aggregates) MCQ, Long answer, Analysis and evaluation based questions from Unit - 1 National income and related aggregates Unit - 2 Money and Banking Unit - 3 Determination of income output and employment Unit - 4 Government budget and the economic Unit - 5 Balance of payment
Activity	(i) Make a chart on the topic national income (ii) Make a chart on the topic RBI and it's function
Project	Prepare a project on a topic government budget and the central bank of India.



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Subject	CLAT	
ENGLISH	<ul style="list-style-type: none"> 20 Vocab daily "The Hindu" Never paper from vocab book vocab $20 \times 30 = 600$ Daily Practice 2 reading comprehension News paper reading 	
Logical Reasoning	<ul style="list-style-type: none"> Revise statement Assumption – 100 Que Revise statement Conclusion – 100 Que Assertion & reason – 50 Que Statement & Argument – 50 Que Paradox Reasoning – 100 Que Daily 2 C.R passage practice 	
Quantitative Maths	<ul style="list-style-type: none"> Revise all Percentage Profit & Loss Ratio & proportion Average Caslate DI practice 	
Current Affairs/G.K	<ul style="list-style-type: none"> April and May months current Affair 	
Legal Reasoning	<ul style="list-style-type: none"> Criminal law Indian contract Act 1872 Law of Tort 	Revise & Question practice



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Subject	❖ COMPUTER SCIENCE
Learning Work	Unit : 1 Computational thinking and Programming - 2 <ul style="list-style-type: none">Ch: 1 Revision of Python Programming - ICh: 2 Revision of Python Programming - IICh: 3 Revision of Python Programming - IIICh: 4 FunctionsCh: 6 File Handling <p>Learn all MCQ, short Q/A, long Q/A, Assertion, Reason based questions and case based study i.e given in book exercise whether it is solved or unsolved</p>
Reading Work	Pre - Reading of : Part - I Text files (Pg no. 286 - 335) Part - II Binary files (Pg no. 336 - 379) Part - III CSV files (Pg no. 380 - 412)
Writing work	Do given Revision Assignment - 1 (Ch. 1,2,3) Revision Assignment - 2 (Ch. 4,6) i.e attached with your Holiday HW. Do your writing work in computer science fair notebook
Practical Work	<ol style="list-style-type: none">Write a Python code to input three unequal number. Display the greatest and the smallest numbers. (page no. 40)Write a Python code to display the first ten terms of the following series : 2,5,10,17 ... (page no. 54)Write a Python code to input a string and check whether it is palindrome or not (page 128)Write a Python code to accept an integer no pas it to a function which returns its number of factors. Finally, display whether the number is a prime no. or not. (page no. 177)Write a function result () to open a file 'marks. text' in write mode. Store names of the five students along with the marks secured in English, Maths and computer science in this file. (page no. 315)



Revision Assignment-1
Class : XII
Chapter-1,2,3
Subject: Computer Science(083)

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Section-A (Assertion-Reason Based Questions)

Choose an appropriate statement from the options given below for Assertion – Reason :

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true and R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.
- (e) Both A and R are false.

1. **Assertion (A):** The data type of a variable is declared as per the type of value assigned to it.
Reason (R): In Python, Boolean is defined as non-numeric data type. It is represented in textual form such as True or False.
2. **Assertion (A):** In Python, list is a mutable sequence and tuple is an immutable sequence.
Reason (R): Mutable means the new values can be stored in the same memory location. Whereas, immutable never allows to change their values in the same memory location.
3. **Assertion (A):** The break and continue are known as jump statements.
Reason (R): These statements can only be used with looping constructs but not with conditional constructs.
4. **Assertion (A):** The process of repeating a set of elements in a string is termed as replication.
Reason (R): This task is performed using (*) operator along with a number that specifies the number of replications.

Section-B (Short Answer Type Questions)

5. What is the difference between '/' and '%' operators?
6. What is meant by type conversion?
7. What is the significance of using the keyword 'import'?
8. Explain the term 'Type Casting'.
9. What do you mean by loop?
10. Name any three operations that can be implemented on a sequence.
11. Define Python 'Sequences' with examples.
12. Distinguish between :
 - (i) Len () and count ()
 - (ii) Del and pop ()

Section-C (Long Answer Type Questions)

13. Explain all Random functions with example.
14. Explain all Mathematical functions with example.
15. Differentiate between for loop and while loop.
16. Explain range () function used in for loop.
17. Write syntax of if, if-else statements.
18. Explain Dictionary with example.
19. Explain 'if-elif-else' construct with an example.
20. Differentiate between following:
 - (i) List and Tuple
 - (ii) Break and Continue



Revision Assignment-2

Class : XII

Subject: Computer Science (083)

Ch. No. : 4, 6

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Section-A (Assertion-Reason Based Questions)

Choose an appropriate statement from the options given below for Assertion – Reason :

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true and R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.
- (e) Both A and R are false.

1. **Assertion (A):** When a function is defined with a list of parameters with function name in the function header, it is known as parameterized function.
Reason(R): A non- parameterized function does not include parameters with the function name in the function header. Thus, the parenthesis remains empty and no arguments are passed while calling the function.
2. **Assertion (A):** The positional parameters receive the values irrespective of the corresponding order of the arguments in the functions header.
Reason (R): It means that three arguments are to be passed to the function, the first argument will be assigned to the first parameter, second argument to the second parameter and the third argument to the third parameter.
3. **Assertion (A):** The file is a named location to store some information in specific format in a secondary storage device.
Reason (R): In python, the files are classified as program files and data files. A file containing program is said to be program file whereas, one that store data is called as data file.
4. **Assertion (A):** The mode 'w' open a text file in write mode.
Reason (R): The 'a+' mode open a text file for both append as well as read mode. In 'a+' mode the file pointer is placed at the end of the file for adding the records, if the file exists. In case, the file does not exist, it creates a new file.

Section-B (Short Answer Type Questions)

5. Define function. Why do we use a function in a program?
6. What are the components of a function?
7. What are the different task that can be performed during file operations?
8. What is the file object?
9. What is the purpose of close () function in file handling?
10. How to find the following attributes when a file is opened?
 - (i) Name of the file
 - (ii) Mode of the file number
 - (iii) To ensure whether the file is closed or not
11. What is meant by scope of variable?
12. What is the significance of using flush () method in file handling?

Section-C (Long Answer Type Questions)

13. Distinguish between:
 - (i) actual parameters and formal parameters
 - (ii) local variable and global variable
14. Write down the syntax of function body and the main program of a python code.
15. Explain absolute path and relative path with example.
16. Explain different functions to read data from a file.
17. Specify the meaning of the following modes while file handling: w+, a+, r+
18. Explain seek () and tell () functions.
19. Distinguish between text files, binary files and CSV files.
20. Explain the components of absolute path with example.