DELHI PUBLIC SCHOOL HATHRAS
SUMMER HOLIDAY HOMEWORK
SESSION: 2022-23
CLASS –XII C

ECONOMICS -

S.No.	Particular
	Prepare a project report from given below topics: **(a)** Global economic impact due to war between Russia and Ukraine. **(b)** What are the main causes of Sri Lanka's economic crises? **(c)** What are the reasons behind the regular devaluation of Indian rupee as compare to Dollar? Give any suggestion to manage it. **(d)** Digital India-Step towards the future. **(e)** Explain minimum support prices. Why do Indian farmers protect it, and why does Government provide these facilities? **(f)** Current Employment situation in India cause and effect.

HISTORY -

S.No.	Particular
	Prepare a project on any one topic given below: **(a)** 'Mahabharat' The great epic of India. **(b)** The History and Legacy of Mauryan Empire. **(c)** A comprehensive history of Jainism. **(d)** The Indus Valley civilization -Archaeological excavations and new perspectives.

POLITICAL SCIENCE -

S.No.	Particular
	(a) Elaborate the role of NAM between two super powers and the role of Jawahar Lal Nehru in NAM. **(b)** What were the challenges for nation building in independent India and newly born democracy in India? **(c)** Revise the chapters at home and write down the bullet points in your note book.

ENGLISH CORE -

Sr. No.	Particulars
	Q1. Write a script for dramatization based on the story Lost Spring highlighting the symbolical meaning of the lost spring. **Q2.** Write a letter to the Editor of a national daily voicing your serious concern for the moral degradation of the young children due to their excessive involvement in online activities. **Q3.** Prepare the classified advertisements on the following topics. **I)** To Let (Flat for rent) **II)** Situation Vacant (Post of Sales executive for a Car Showroom) **III)** For Sale (Old Car) **IV)** Lost & Found (Lost Document File) **Q4.** Take interview of five persons, hailing from different professions, living in your colony and ask questions to them related to their experience during the lockdown period and write a brief description of each in about 100 words. **Q5.** You have to present a skit on the occasion of mother's day in the special assembly of your school. As a script writer, prepare the script of the skit in 200 to 250 words.

PHYSICAL EDUCATION-

Sr.No.	Particulars
	Prepare a project file (as per CBSE Norms).Any game of your choice out of the list below. Labeled diagram of field and equipment, rules, terminologies and skill. **List of games:** Handball Basketball Football Hockey Kabaddi Cricket Khokho

COMPUTER SCIENCE

Q1. Draw the main parts of Computer Organization with its functioning Units.

Q2. Write the function of Memory UNIT.

Q3. Explain the process of Booting.

Q4. Write any two weaknesses of computer?

Q5. Write two common examples of Multi-user operating system.

Q6. What are cookies?

Q7. What type of damages can be caused by viruses to the computer system?

Q8. Explain the term Integrated Development Environment with its tools.

Q9. Explain the basic architecture of computer. along with the functioning of each of its subunit.

Q10. What is Spamming? Why has it become a big Internet issue?

Q11. Draw and explain the main symbols used in flow charting.

  Q12. Write the algorithm to multiply any two numbers?

Q13. What is Operands explain it with examples?

Q14. Explain the type of operators used in Python programming.

Q15. Draw a flowchart to print the lowest number out of given three numbers.

Q16. Draw a flow chart to print the sum of series 0+3+6+9+12……Nth term

Q17.Draw a flow chart to print the series 2+4+6+8 up to 10th Term

Q18. What is BMDAS? Explain it with example

Q19. Write the following expression in the order of operational precedence for Python.

$$S= ((2 \times 4) / 2) + (10-7) \times 19) /3$$

Q20. What are Unary, Binary and Tertiary operators?

  Q21.   What is the value of the following expression in Python?

2+4.00, 2**4.0

a) (6.0, 16.0)

b) (6.00, 16.00)

c) (6, 16)

d) (6.00, 16.0)

  Q22.   What will be displayed by print(ord('b') – ord('a'))?
a) 0   b) 1   c) -1   d) 2

  Q23.   Suppose J1 is [3, 4, 5, 20, 5, 25, 1, 3], what is J1 after J1.pop( )?
a) [3, 4, 5, 20, 5, 25, 1]   b) [1, 3, 3, 4, 5, 5, 20, 25]
c) [3, 5, 20, 5, 25, 1, 3]   d) [1, 3, 4, 5, 20, 5, 25]

  Q24.   What is the output of the following code?
```
count={}
count[(1,2,4)]
= 5
count[(4,2,1)] = 7
count[(1,2)] = 6
count[(4,2,1)] = 2
tot = 0
for i in count:
    tot=tot+count[i]
print(len(count)+tot)
```

Q25. Explain the procedure: Break the line and change the sign.
Q26. Mr. Rehman is confused between Shareware and Open-Source software. Mention at least two points of differences to help him understand the same.
Q27. Explain the following Memory management techniques with respect to an operating system:
       a) Partitioned Allocation   b) Segmented Allocation
Q28. Write programs in Python to do the following:
       a) To accept three distinct digits and prints all possible combinations from the digits
       b) The program takes in the number of terms and finds the sum of series: $1 + x^2/2 + x^3/3 + \ldots x^n/n$.
       c) To calculate the length of a string without using library functions.
       d) To count the frequency of words appearing in a string using a dictionary
       e) Find the shipping cost if the amount of the packet is less than or equal to 50 is $50 or less than or equal to100 is $90 or less than or equal to 150 is $125 otherwise $ 200 for above amount. Secondly if the country is Australia added shipping charges will be $200 else $100 for others
Q29. Write SQL query to create a table 'Bank_Customer' with the following structure:
Q30. Define cyber troll and Digital footprints

Holiday Homework:
To prepare the notes for the first 3 chapter and collect the examples of basic computing for PST (problem Solving Techniques)

II. Mulitple Choice Questions -

1. Which of the following correctly declares an array?
a) intarray[10];
b) int array;
c) array{10};
d) array array[10];

2. What is the index number of the last element of an array with 9 elements?
a) 9
b) 8
c) 0
d) Programmer-defined

3. What is a array?
a) An array is a series of elements of the same type in contiguous memory locations
b) An array is a series of element
c) An array is a series of elements of the same type placed in non-contiguous memory locations
d) None of the mentioned

4. Which of the following accesses the seventh element stored in array?
a) array[6];
b) array[7];
c) array(7);
d) array;

5. Which of the following gives the memory address of the first element in array?
a) array[0];
b) array[1];
c) array(2);
d) array;

NOTE:-
   ❖ **Do the homework in separate note book.**
   ❖ **10 marks will be awarded for Summer Holiday Homework.**

CLASS TEACHER'S SIGNATURE   **PRINCIPAL'S SIGNATURE**