

# SWARNPRASTHA PUBLIC SCHOOL, SONEPAT



## SESSION: 2024-25 HOLIDAY HOMEWORK CLASS 11 STREAM: HUMANITIES



*"Learn while you explore, makes for a summer you'll adore!"*

## **SUBJECT- ENGLISH**

### **A. Interview-Based research:**

Example:

- Students can choose a topic on which to do their research/ interview, e.g. a student can choose the topic: “Evolving food tastes in my neighbourhood” or “Corona pandemic and the fallout on families.”
- Read the available literature.
- The student then conducts interviews with a few neighbours on the topic. For an interview, with the help of the teacher, student will frame questions based on the preliminary research/background.
- The student will then write an essay/ write up / report etc. up to 1000 words on his/her research and submit it. He/ She will then take a viva on the research project. The project can be done in individually or in pairs/ groups

**B.** Students listen to podcasts/ interviews/radio or TV documentary on a topic and prepare a report countering or agreeing with the speakers. Write an 800 - 1000 words report and submit. Take a viva on the report.

**C.** Students create their own video/ Audio, after writing a script. Before they decide a format, the following elements can be taken into consideration:

- Theme/topic of the audio / video. Would the child like to pick a current issue or something artistic like theatre?
- What are the elements that need to be part of the script?
- Will the video/audio have an interview with one or more guests?
- Would they prefer to improvise while chatting with guests, or work from a script?
- What would be the duration?
- How would they present the script/report to the teacher, e.g. Can it be in the form of a narrative?

**D.** Students write, direct and present a theatrical production, /One act play

- This will be a project which will be done as a team.
- It will involve planning, preparation and presentation. In short, various language skills will be utilised.
- There will be researching, discussion, writing the script, auditioning and ultimately producing the play.
- The project will end with a presentation and subsequently a viva.
- The project will help assess the core language skills of the students and help them grow as 21st century critical thinkers.

### **THE PROJECT-PORTFOLIO MAY INCLUDE THE FOLLOWING:**

- Cover page, with title of project, school details/details of students.
- Statement of purpose/objectives/goals
- Certificate of completion under the guidance of the teacher.
- Student's Action Plan for the completion of assigned tasks.
- Materials such as scripts for the theatre/role play, questionnaires for interviews, written assignments, essays, survey reports and other material evidence of learning progress and academic accomplishment.
- The 800-1000 words essay/Script/Report.
- Student/group reflections.
- If possible, Photographs that capture the positive learning experiences of the student(s).
- List of resources/bibliography

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## **SUBJECT- HINDI**

वैश्विक स्तर पर हिंदी का विस्तार विषय पर एक परियोजना (प्रोजेक्ट) कार्य तैयार कीजिए। परियोजना निर्माण निम्नलिखित बिंदुओं को ध्यान में रखकर किया जाएगा -

(क) हिंदी भाषा का संक्षिप्त परिचय

(ख) हिंदी साहित्य का संक्षिप्त इतिहास

(ग) बढ़ता दायरा

(घ) हमारे कर्तव्य

परियोजना कार्य का क्रम निम्नवत रखें -

मुख्य पृष्ठ, विद्यार्थी का घोषणा पत्र, प्रमाण पत्र, विषय सूची, अभारोक्ति, विषय परिचय, उद्देश्य, सीमांकन, विषय विस्तार, संदर्भ सूची

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## **SUBJECT- HISTORY**

PROJECT WILL BE ACCORDING TO ROLL NUMBER WISE. PROJECT MUST INCLUDE

(a) Cover page (b) Certificate (c) Acknowledgement (d) Synopsis (e) Conclusion (f) Bibliography.

GROUP-1 Ancient History in depth: Mesopotamia

GROUP-2 Contributions of Roman Civilization

GROUP 3. Piecing together the past of Genghis Khan

GROUP-4 Different schools of thoughts- Realism: Humanism: Romanticism

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## **SUBJECT- POLITICAL SCIENCE**

PROJECT WILL BE ACCORDING TO ROLL NUMBER WISE. PROJECT MUST INCLUDE

(a) Cover page (b) Certificate (c) Acknowledgement (d) Conclusion (e) Bibliography.

Min page: 30 Min pictures: 18

Project Work:

1. Making of the Constitution.

2. Elections in India.

3. Working of the Indian Judiciary System.

4. Social Justice: Are ethics followed in Indian Politics

5. Human Rights Act and its gratification in India.

6. Political impact on Indian Legislation

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## **SUBJECT- SOCIOLOGY**

PROJECT WILL BE ACCORDING TO ROLL NUMBER WISE.PROJECT MUST INCLUDE

(a) Cover page (b) Certificate (c) Acknowledgement (d) Conclusion (e) Bibliography.

1 Importance of relatives in our lives or Role of kins in our lives

2. Importance of cell phones/mobiles

3. Conservation of the environment

4. Generational Conflict

5. Changing leisure activities- intergenerational study

6. Terrorism

7. Child Labour

8. Migratory domestic help in India

9. Male Domination

10. Social Media and the Youth

11. Social Restrictions

12. Religion and Youth

13. Brand Consciousness

14. Religion, Spirituality & Youth

15. Body Image

16. Changing Habits of Youth

17. Effects of changing Food Habits

18. Gender Socialisation/Gender Bias

19. Division of labour in the Household

20. Career Women versus Home Makers

21. Safety of Women in India

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## **SUBJECT- COMPUTER SCIENCE**

### **COMPUTER SYSTEM & ORGANIZATION**

1. Explain the basic architecture of a computer.

2. What is the role of the CPU in a computer?

3. What is the function of memory in a computer?

4. What is the role of the input unit in a computer?

5. What is the role of the output unit in a computer?

6. Give some examples of input devices of the computer.

7. Give some examples of output devices of the computer.

8. What are the functions of the input and output units of a computer?

9. What are the functions performed by the control unit in the computer?

11. What are the functions performed by ALU?

12. Can you distinguish CPU and ALU?

13. Distinguish the internal and external memory of a computer.

14. Differentiate RAM and ROM.

15. Write short notes on different types of ROMs.

16. Write any four memory units

17. What are the basic components of any typical mobile system?

18. What are the various categories of software?

19. What is application software?

20. What is system software?

21. What is an operating system and how it is important for any computer?

22. Draw the basic building block of any typical mobile system

23. Do you feel mobile phones are replacing computers, if yes then why?
24. Differentiate compiler and interpreter
25. What is Boolean algebra?
26. What are the basic logic elements/gates?
27. What is a truth table?
28. What are the universal logic gates?
29. Define Logic Gates.
30. Define the following gates and draw a logic circuit diagram  
(a) OR Gate (b) AND Gate (c) NOT Gate (d) NAND Gate (e) NOR Gate
31. Prove by Boolean Algebra rules  $X(X + Y) = X$
32. Prove by Boolean Algebra Rules  $X + X'Y = X + Y$
33. Prove that by Boolean Algebra Rule for  $AB + AC + ABC = AB + AC$
34. Construct a logic diagram for expression  $A.B + C$
35. Construct a logic diagram for expression  $A.B + B.C$
36. Construct a logic diagram for expression  $B.(A + C)$
37. Find truth table of  $X + Y = Y + X$
38. Prepare a truth table of  $XY = YX$
39. Prepare a truth table  $X(X + Y) = X$
40. Prepare a truth table of  $X + XZ' = X$

### INFORMATION REPRESENTATION

1. Convert 1111 0110 from base 2 to base 10
2. Convert 27 from base 10 to base 2
3. Convert 62cd from hexadecimal to base 2
4. Convert 0111 1000 1111 1100 from binary to base 16
5. Convert 223 from base 10 to binary
6. Convert 10 from octal to binary
7. Convert d214 from base 16 to binary
8. Convert 77 from base 8 to base 10
9. Convert 11101010 from base 2 to base 16
10. Convert 41 from base 16 to base 2
11. Convert FF from base 16 to base 2
12. Convert  $(1011.101)_2$  into decimal.
13. Convert  $(F4C)_{16}$  into decimal.
14. Convert 011012 to octal
15. Convert 0011001102 to octal
16. Convert 10112 to octal
17. Convert 111100012 to octal
18. What is ASCII CODE and where it is used and why?
19. What is Unicode?

### PROGRAM EXECUTION

1. What is program execution?
2. What is the basic flow of execution of a program?
3. Differentiate the linker and loader parts of the compiler
4. How do you think that operating system works as a resource manager?
5. Differentiate compiler and interpreter
6. What are the steps of program compilation of a compiler
7. What are the phases of the compilation move of a program execution?
8. What are the major operating system functions?
9. What are the major activities of an operating system in respect of program management?



10. Describe the process state diagram.

### **GETTING STARTED WITH PYTHON**

1. Who is the developer of Python Programming Language?
2. How Python was named for Python Programming language?
3. Is Python a cross-platform language, how?
4. What are the advantages of Python Programming Language? **PYTHON FUNDAMENTALS**
5. What are literals in Python? How many types of literals are there in Python?
6. How string literal is represented in Python?
7. What is a statement and expression?
8. What is the role of indentation in Python?
9. What are variables?
10. What is dynamic typing in Python?
11. Differentiate keywords and identifiers.
12. What are tokens in Python?
13. Write a Python program to find out the simple interest.

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### **SUBJECT- MATHEMATICS**

- Project: Do any one project (In form of PPT, 3D model, Chart, album etc)
  - # Sacred Geometry: The language of universe
  - #Fractal Geometry soul of monuments and temples
  - # Wall of Indian mathematician
  - #Mathematics and career opportunities
- Maths lab Activities:(Do in math's lab manual)  
Ref. Full marks Lab Manual
  1. To find the number of subsets of a given set and verify that if a set has  $n$  elements, then the total number of subsets is  $2^n$ .
  2. To represent set-theoretic operations using a Venn – diagram.
  3. To verify that two sets  $A$  and  $B$ ,  $n(A \times B) = p \times q$  and the total number of relations from set  $A$  to set  $B$  is  $2^{pq}$ , where  $n(A) = p$  and  $n(B) = q$
  4. To demonstrate that the arithmetic mean of two different positive numbers is always greater than the Geometric mean.
  5. Graphical solutions of linear inequalities in two variables.

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### **SUBJECT- PSYCHOLOGY**

Part-1

Movie / story/ novel / TV series Analysis

Pick up any story/ novel/ movie or any famous personality which you like/has impacted you or is close to your heart. Analyze it in your way using a 'what if' situation

Write about a different climax /ending or an anti-climax to the scenario according to your point of view

## PART-2

Prepare a detailed project file about any one topic in Psychology you like the most or which led you to take this subject matter. (For instance, you can choose topics like personality, dreams, any particular branch of psychology, etc.)

Points to remember: -

The project comprises 25 marks.

Illustrate your project with colours, photographs, beautiful quotes, dialogues, conversations, and self-made quotes.

A self-made title to the project is a must.

Avoid copying from internet sources, firsthand information will be appreciated.

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### **SUBJECT- PHYSICAL EDUCATION**

1)**Physical Fitness Test:** SAI Khelo India test.

2)Proficiency in any games and sports.

(Skill of any one IOA-recognized sports/Game of choice)

3)**Yogic Practice:** Any two Asanas, contraindications and Benefits

4)Maintain all records in the Record file.

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### **SUBJECT- ENTREPRENEURSHIP**

- Prepare a project report on the business plan of any of the business organisations.
- Prepare a case history on any one of the Entrepreneurs in his life history and his achievements and his business organisations.

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### **SUBJECT- LEGAL STUDIES**

WATCH TWO DOCUMENTRIES LISTED BELOW

Seven Waves Away

Souls At Sea

Case Study: Kesavnanda Bharti V/S Union Of India

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"Art is the silent  
expression of thoughts,  
feelings, and  
experiences."

- Marilyn O



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