

DAV PUBLIC SCHOOL, PUSHPANJALI ENCLAVE **SUMMER BREAK HOMEWORK (SESSION 2025-26)**

Class XII

Take care of yourselves...

*Eat healthy, take proper rest, Study hard with honesty and total Concentration
Value Time, People and Relationships, Be positive and inspiring*

►► ENGLISH

- * Revise for the First Terminal exams.
- * Do the Extra Qs given in your Fair copy.
- * Read all the lessons thoroughly.
- * Decide / finalize your 'group' and the 'topic' for the Project work.
- * Practice - writing short and long answers (Lit.), expressing on issues/ topics of social and contemporary importance.
- * Read good books by celebrated authors and prepare reviews for Speaking skills assessment. Eg Amish Tripathi, Ashwin Sanghi, Chitra Banerjee Divakaruni, Devdutt Pattanaik etc.

►► PHYSICS

1. Revise the chapters done in the class for term-1 exam.
2. Practice assignments shared in the class groups.
3. Do multiple choice questions and numericals for the topics covered in the class.
4. Complete your practical files
5. Do research work for your project.

►► CHEMISTRY

- 1) Revise the following chapters- solutions , chemical kinetics, Biomolecules, Electrochemistry .
- 2) Practice the Ncert numericals , questions and assignments
- 3) Practice objective type questions of the above mentioned chapters.
- 4) Complete your Practical Files.
- 5) Complete your project presentation work.

►► BIOLOGY

- To prepare for the First terminal Examination
- Syllabus -
CH1 -SEXUAL REPRODUCTION IN FLOWERING PLANTS
CH 3 PRINCIPLES OF INHERITANCE ND VARIATION
CH: 5.MOLECULAR BASIS OF INHERITANCE
- LEARN AND REVISE EVERYTHING FROM NCERT
- To complete the practical File work and the Project Report

►► **COMPUTER SCIENCE**

- Revise the Syllabus for First Term Examination.

Unit I: Computational Thinking and Programming

- Revision of Python topics covered in Class XI.
- Functions
- Exception Handling
- Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths
- Text file
- Binary file
- Data Structure: Stack

XI NCERT BOOK: Ch-5,6,7,8,9, 10 (Python Introduction, Functions)

XII NCERT BOOK: Ch-1,2,3

- Complete the Practical File and the Project Assigned.

►► **MATHEMATICS**

- Complete the maths activity file.
- Revise for the first term examination
- Do the assignments in the assignment register. Link for the same is shared below.
- https://drive.google.com/drive/folders/1--FQccDNOKYrXzf3rVLJUK6csPk-h2CJ?usp=share_link

►► **ENGG. GRAPHICS**

- Complete 15 machine blocks sheets.
- Complete and practice nut ,bolt ,threads.
- Practice
Free hand
sketch of
rivets, stud , screw and sign convention of thread.
- Practice isometric scale and single solid.
- Practice MCQ related to these topics.
- Practice
Assemblies done
in class.
and complete all
the sheets

►► **BUSINESS STUDIES**

1. Complete the assignment given for chapter 2 and 3.
2. Prepare project on the assigned topics in business studies.
3. Revise for first term examination.

►► ECONOMICS

- Complete the given assignments.
- Prepare the synopsis for the economics project
- Revise for the first term examination

►► ACCOUNTANCY

1. Do text book questions of the chapter Admission of a Partner
2. Go through the Financial Statements of a company for Project Work.
3. Prepare well for the Term 1 exam.

Topics

- Fundamentals of Partnership
 - Goodwill
 - Change in PSR
 - Admission of a partner
4. Complete the assignments shared in class group.

►► GEOGRAPHY

Revise for I Term examination

Complete the assigned practical work according to the instructions given in class.

►► HOME SCIENCE

1. Revise for first term examination.
2. Do extra questions for the topics covered in the class.
3. Complete your project files.

►► FOOD PRODUCTION

1. Revise for first term examination.
2. Do extra questions for the topics covered in the class.
3. Complete your practical files.

►► INFORMATICS PRACTICES (IP)

Class XII - Prepare for First Term Exam. Syllabus is as follows -

1. Python lists (Class XI)
2. Python Dictionary (Class XI)
3. Complete SQL (Class XI-XII)
4. Computer Network - Introduction, Types of Network, Network Devices
Network Topology.
5. Select topic for Project and prepare Project Synopsis as discussed.

►► PSYCHOLOGY

1. Work on Case Profile.(data collection and compilation)
2. Report writing of RSPM
3. Revise for First Term Examination.

►► POLITICAL SCIENCE

- A. Select your project topic and prepare a synopsis for it.
- B. Revise the Syllabus covered till now for 1st Term examination.

►► HISTORY

- A.Revise Book-1 - Term-1 Syllabus - Lesson 1 to 4
- B.Select your project topic and conduct related research work.
- C.Art Integration -Activity - Make a 3min video film/PPT on any one of the following -
 - 1.Monuments of Vijaynagara
 - 2.Sites of Indus Valley
 - 3.Inscriptions of Ashoka
 - 4.Sufi Dargahs
 - 5.Art forms inspired by Mahabharata
 - 6.Indian National Movement

►► MARKETING

1. Prepare a Project Report on any of the allotted topics.
2. Complete the given assignments for the Units- Product Mix and Place Mix.
3. Prepare well for the first term examination.

►► FOOD NUTRITION AND DIETETICS

1. Revise for the first term examination.
2. Do extra questions for the topics covered in the class.
3. Complete your Project file.

►► ARTIFICIAL INTELLIGENCE

Dear Students,

Please complete the following activities in your Practical File and paste the screenshots of your work as evidence. The tasks are to be done using Orange Data Mining software.

Activity 1: Titanic Survival Prediction (Classification Task)

Imagine you are part of a historical research team analyzing data from the Titanic disaster. Your objective is to predict whether a passenger survived based on features such as age, gender, class, and fare.

Use the classification model in Orange to uncover patterns in survival rates and draw meaningful historical insights.

Activity 2: Image Clustering (Hierarchical Clustering)

Collect a set of images of birds and animals, place them randomly in a folder.

Using Hierarchical Clustering in Orange, create clusters that group the images into birds and animals based on visual similarities.

Paste screenshots showing the clustering output and analysis.

Activity 3: Movie Review Analysis (Text Mining & Visualization)

You are working as a data analyst for a movie streaming platform. The company wants to analyze customer reviews to understand common sentiments and

themes.

Using Orange, perform the following:

- Preprocess the text data (tokenize, remove stopwords, etc.)
- Visualize the most frequently used words using a word cloud or frequency chart.

Submit the practical file with screenshots pasted neatly under each activity. If you face any issues, feel free to reach out for guidance. Happy learning!

►► PHYSICAL ACTIVITY TRAINER (PAT)

*Complete following work in A4 size sheets and compile them in a file.(A4 size should be one side ruled one side blank)

1. Teacher observation checklist figure 1.1 page 7
2. Self assessment for basketball dribbling figure 1.4 page 10
3. Checklist for assessment figure 1.5 page 13
4. Rubric for skill assessment page 14 figure 1.6
5. Sample norm for grade 4 for standing broad jump figure 1.7 page 15
6. Basic Data collection sheet figure 1.8 age 20
7. Assessment input sheet for Nur figure 1.9 page 20
8. Fitness assessment table page 22,23
9. Fitness assessment input sheet for grade 6 figure 1.17 page 26
10. Two type of grading scales page 29, 30
11. First aid -definition purpose ,principle page 40
12. Sign and symptoms and emergency first aid of heat stroke, allergic reactions, asthma ,heat exhaustion page 35,36
13. Explain CPR with steps and recommended chest compressions page 36,37, 38
14. DR ABC of first aid page 39 and 40
15. Explain choking and its first aid page 42 and 43
16. Basics sports injuries sprain and strain and its first aid RICE page 43 44
17. Explain low frequency and high frequency inspection page 49
18. Personal items and kids (inspection cleaning storage) page 51
19. Questionnaire on playground and common area page 57
20. Safety rules while playing and in the swimming pool page 57 58

►► PHYSICAL EDUCATION

1. Yoga for lifestyle diseases. Explain about lifestyle diseases, procedure for asana benefits and contradictions for any two asanas for each lifestyle disease
2. Write about anyone game of your choice. labelled diagram of the field and equipments ,rules of the game terminologies and skills .sports personalities
3. Fitness test administration Sai khelo India fitness test in school, Rikli and John's senior citizen test.

STAY BLESSED, STAY HAPPY!