

SHAMBHU DAYAL GLOBAL SCHOOL
HOLIDAY HOMEWORK (2024-25)
CLASS XII HUMANITIES

ENGLISH	<p>PROJECT: Students need to complete ANY TWO Projects with reference to the lessons.</p> <p>a. Visit to an Old Age Home – Take interviews and present it through a PPT</p> <p>b. Visit an N.G.O. – render community service through training children with computer skills. To present a video of the project in class .</p> <p>c. Visiting an upcoming/ established entrepreneur and gaining ‘in-hand experience’ Preparing a Project report highlighting the learning outcomes. A tete-e-tete is to be presented in the class.</p> <p>d. Visiting an astrologer and taking an interview on the importance of predictions and its effects.</p> <p>e. Rendering service in eateries like Mc Donalds, KFC, Dominos and learning the procedures, billing and customer care of the above.</p> <p>f. Keeping in mind the growing importance of subjects like legal studies, students can spend a week with a leading legal practitioner and learn the proceedings of a case. To prepare a video based on a case highlighting the points of a petitioner.</p> <p>g. With reference to the lesson Deep Water, students can take an interview of a coach and a famous alumni player and prepare a video on it.</p> <p>h. ‘Grany’s Talk’ – students to visit their grandparents and help them remember about their past, their long lost homelands and how they coped to the new country after partition. Students to refer to the age old songs, homemade recipes as told by their grandparents and prepare a project on the above ‘Granny’s Talk’ issue . (Ref. Last Lesson)</p>
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	<p>i. Students to visit a psychologist or a psychiatrist and prepare a case based project on the recent modern day issues and the problems that the youth is facing today.</p> <p>j. Students can also join the Delhi Government Summer Workshop “Masti Ki Pathshala” and prepare a report on their experiences and later teach the same to the fellow students.</p> <p>Instruction:</p> <ul style="list-style-type: none"> • Project to be submitted in an A4 size folder. • Project work must be written, recorded and presented through a PPT in class for assessment of speaking and initiative skills. • Project work must be presented in a hard copy with following points. <ul style="list-style-type: none"> a) Cover page b) Content c) Pictures d) Learning outcomes e) Pictures/ photos f) Must mention the link g) Acknowledgement h) References
<p>PSYCHOLOGY</p>	<p style="text-align: center;"><u>CASE- STUDY PROJECT FILE</u></p> <p><u>GENERAL INSTRUCTIONS TO COMPLETE PROJECT FILE</u></p> <p>Students will do a case study on any specific disorder (Reference – Chapter – 4 ‘Psychological Disorder’)</p> <ul style="list-style-type: none"> ➤ Approach a case near to you (i.e. – from your surroundings, neighbourhood, family, friends, or consult any mental health care which easily approachable) ➤ Collect the primary data for the growth of your project ➤ Prepare questionnaire (interview, any other test tools you can use for reliability of your work) ➤ Prepare a valid report to summarize your work ➤ Sources of information <p><u>INSTRUCTIONS FOR WRITING WORK-</u></p> <ul style="list-style-type: none"> • Detailed introduction of the Disorder

	<ul style="list-style-type: none"> • Meaning and symptoms of the particular - disorder • Type of disorder and sub- categories • Analysis of case (Ref- NCERT pg. 199) <ul style="list-style-type: none"> • Introduction of the problem • Personal details of the client (Preliminaries- demographical, physical, physiological, psychological information of the case) • Family details • Historical background of the case • Socio- emotional perspective of the case • Questionnaire or any other tool (which you have used) • Synthesis the case • Methods of Treatment • What was your findings • Suggestions to improvement of the case • Overview of the case in your point of view • Conclusion <ul style="list-style-type: none"> • At last - List of resources must be added (Bibliography) <p><u>COMMON GUIDELINES FOR THE FILE-</u></p> <ul style="list-style-type: none"> • Required material – ring folder (single/double sided line sheets, color sheets) • Cover page, with title of project, school details/details of students • Acknowledgement, Certificate, Index (can be in printed from) • Body of your project • Paste related pictures of your project to make it presentable • Creativity - to make your file unique <p><u>NOTE- STUDENTS WILL SUBMIT THEIR REPORT IN THE FIRST WEEK OF JULY.</u></p>
POLITICAL SCIENCE	<p>The project work file can be culminated along in the form of films, albums, songs, storytelling, debate, Role Play, Skit, Presentation, Model, Field Survey, Mock Drills/Mock Event etc.</p> <p>The File Contents are as given below:</p> <ul style="list-style-type: none"> * Acknowledgement * Certificate * Index * Introduction

	<p>* Explanation of topic * Bibliography Topics are given below:</p> <ol style="list-style-type: none"> 1. NAM- 1961 to present times. 2. Division of Germany with special focus on the construction and dismantling of the Berlin Wall. 3. CIS-Central Asian Republics 4. Disintegration of USSR with special focus on Gorbachev. 5. Arab Spring 6. European Union and BREXIT 7. BRICS 8. SAARC 9. India’s Nuclear Policy 10. United Nations with focus on India’s candidature in Security Council. 11. UN Agencies – UNICEF, UNESCO, WHO 12. Pandemics: Covid 19- Its global impact (focus on worldwide cooperation and preparedness along with controversies (please collect newspaper clippings for the same) 13. Partition of India-Theory behind it and its legacy 14. Comparison between NITI AAYOG and Planning Commission and their contribution in India’s Development. 15. Election 2019- Rise of BJP and Downfall of Congress (1989-2019). 16. Emergency – A blot on Indian Democracy 17. NDA III and NDA IV – Social and Economic welfare programmes
<p>HISTORY</p>	<p>The project work file can be culminated along in the form of films, albums, songs, storytelling, debate, Role Play, Skit, Presentation, Model, Field Survey, Mock Drills/Mock Event etc. Students may work upon the following lines as suggested:</p> <ol style="list-style-type: none"> 1. Choose a Title/Topic 2. Need of the Study, Objective of the Study 3. Hypothesis 4. Content -Timeline, Maps, Mind maps, Pictures, etc. (Organization of Material/Data Present Material/Data) 5. Analysing the Material/Data for Conclusion 6. Draw the Relevant Conclusion 7. Bibliography <p>Topics are given below:</p>

	<ol style="list-style-type: none"> 1. The Indus Valley Civilization-Archaeological Excavations and New Perspectives 2. The History and Legacy of Mauryan Empire 3. “Mahabharat”- The Great Epic of India 4. The History and Culture of the Vedic period 5. Buddha Charita 6. A Comprehensive History of Jainism 7. Bhakti Movement- Multiple interpretations and commentaries. 8. “The Mystical Dimensions of Sufism 9. Global legacy of Gandhian ideas 10. The Architectural Culture of the Vijayanagar Empire 11. Life of women in the Mughal rural society 12. Comparative Analysis of the Land Revenue Systems introduced by the Britishers in India 13. The Revolt of 1857- Causes; Planning & Coordination; Leadership, Vision of Unity 14. The Philosophy of Guru Nanak Dev 15. The Vision of Kabir 16. An insight into the Indian Constitution 17. Comparative study of Stupas and Pillar edicts 18. Comparative study of Mughal and Vijayanagar architecture
APPLIED MATHS	<p>(Project Work) (To be done in practical file)</p> <p>Q1. Write down year wise percentage of your academic excellence starting from class I to class XI. Find the best fitted trend line by the method of least squares.</p> <p>(a) Tabulate the trend values.</p> <p>(b) Compute expected percentage trend for the year 2025(i.e. for class XII)</p> <p>(c) If you find that calculated expected value for class XII is as per your expectations, then write (in approximately 100 words) the strategies you followed.</p> <p>OR</p> <p>(c) If you find that calculated expected value for class XII is not as per your expectations, then write (in approximately 100 words) the plan of action you will follow.</p>
A.I.	<p>Read the online article on –</p> <p>https://www.greeksforgreeks.org/splitting-data-for-machine-learning-models/</p> <p>Q1) In which case, taking 1% data as test data is suitable?</p>

	<p>Read the blog- https://medium.com/@datasciencewizards/a-guide-to-data-splitting-in-machine-learning-49a959c95fa1</p> <p>Q1) What is the importance of the Validation Dataset? Q2) “While taking train data from whole data, one should take higher representativeness of data into the consideration.” What does this statement mean?</p>
<p>DTI</p>	<p>Topic 1: Design Thinking Process Project: Designing for Personal Space - through sensory experiences</p> <p>Theme: Exploring Sensories:</p> <p>Our senses define the way we perceive the world. In this project the students are encouraged to look at the principles of our sensories and apply them to design products or artifacts that are of importance to the personal spaces. You may choose any one of these sensories to work with: - Taste, Touch, Sight, Smell and Hearing</p> <p>The final solutions could be redesigning any of these:</p> <ul style="list-style-type: none"> a. Wearables - watch, dress, shoes, clothes, jewelry, accessories, etc. b. Personal Objects – pens, diary, bags, photos, etc c. Personal Artifacts - toys, posters, t-shirts, pens, etc. <p>The task involves the following steps:</p> <ul style="list-style-type: none"> 0. Selection of problem to solve 2.1a Observation and asking Questions (do brainstorming + mindmapping) 2.1b Primary research by conversing with users 2.1c Secondary research by finding out already existing information 2.1d Analysis (do categorisation and affinity mapping) 2.2a Ideation and alternate concepts (moodboard could help) 2.2b Soft Prototyping and feedback 2.2c Presentation and evaluation

Task Title: Understanding the problem area/space and analysis:

Topic 2: Observation and Ask Questions

1. Chose one or two sensories to explore this task: It could involve any one or two of the following:

- a. Sense of Touch
- b. Sense of Sight
- c. Sense of Hearing
- d. Sense of Smell e. Sense of Taste

2. Make a list of personal artifacts or things that you would like to design with the chosen sensories These are some examples that you could choose from:

- a. Wearable watch for children with difficulty in seeing
- b. Shoes for Climbing
- c. Dress for the rains
- d. Jewelry for Birthday celebrations
- e. Soft Rattle for a 1 year Child
- f. Plate for eating Dosa
- g. Toy with different textures
- h. Etc.

3. Ask the following questions about the above subject What? Why? How? Whom? Where? When? etc.

4. Understand the subject well by first Brainstorming about it, noting down keywords and then making a Mindmap to look at the subject from different points of view and perspectives

Output 2.1a: Make a mindmap of the selected artifact – sub-topics, issues, problems, areas, users, +ves and – ves, etc.

Task Title: Primary Research:

The Primary research involves the following:

- 1. Identify users for your chosen area
- 2. Converse with the users involved with this activity to get a better understanding (take down notes), try to understand the activity from the user’s point of view (empathize with the user)
- 3. Identify the objects that are involved and understand how it works (document these)
- 4. Document through photography or sketching the different aspects of the problem being solved

Output 2.1b: Make a summary presentation involving images and short text in form of a report or slides (around 6 to 10 pages or slides)

Task Title: Secondary Research:

Secondary research as the name indicates is the collection of information from secondary resources.

These could be from books, publications, newspapers, talking to experts and the internet. As someone else has written or spoken about the subject, you need to keep note down the reference details.

1. Analyze your topic into sub-topics and take-up one of these for further research and understanding
2. Search for information on media that is accessible to you. Take down notes as points. Mark important aspects

Output 2.1c: Collate the information involving images and short text in form of a report or slides (around 6 to 10 pages or slides)

Task Title: Analysing the problem to be solved:

1. Collate all the information as points (you could use sticky notes)
2. Classify the information into different categories according to affinities (some may fit in multiple categories so replicate them)
3. Priorities the information within the categories according to priority/ importance
4. Identify issues or problems that can be solved

Output 2.1d: Identification and listing of problems to be solved

Make a chart of classifying the information collected according to the following:

Observations	Inferences/Insights	Design Opportunities
1.		
2.		
3.		

Task Title: Ideation + Prototyping + Presentation

Topic title: Ideation on Creative Design Solution

Possibilities + Shortlisting of Ideas

1. Brainstorm, Ideate on possible creative solutions and sketch these out + number or name these ideas
2. Collate all the good ideas together and short-list them according to their experiential potential and ease of implementation

Output 2.2a: Make a presentation of these in 3 slides (alternate sketches + short-listed idea)

Topic title: Design Solution Mock-ups + Feedback

1. Select the best one out of your ideation and finalise it with details.

	<p>2. Detail out the final selected solution as sketches: the details could be about its form, colors, materials, technology, etc.</p> <p>3. Make a mock-up of your final idea in actual size using clay or paper/ cardboard (optional)</p> <p>4. Show the sketches /mock-up to potential users and get feedback</p> <p>5. Incorporate suggestions from the feedback in your design</p> <p>6. Make the final sketch of your design (with an optional paper prototype)</p> <p>Output 2.2b: Make a presentation of these in 3 slides (mock-up + feedback + details)</p> <p>Topic title: Design Solution Final Presentation and Documentation Prepare a presentation (of 6-8 minutes duration) to include all the stages of your project:</p> <ol style="list-style-type: none"> a. Title of the Personal Space Design Project or Problem Statement b. Your Name c. Summary/content listing of your presentation d. Insights from Primary and Secondary Research e. Analysis f. Alternate Concepts (sketches + quick scenarios + concept models) g. Final Concept sketch and its unique features h. Prototype /Mock-up (optional) k. User feedback on your final solution l. Future steps and suggestions m. Full References (Learn how to do references) n. Acknowledgments – to all who have helped <p>Output 2.2c: A presentation (6-8 minutes – roughly 15 to 25 slides) explaining the Project outcome along with Process</p>
<p>PHE</p>	<p>Research project on common postural deformities</p> <p>Topics:- Postural Deformities</p> <ol style="list-style-type: none"> a. Kyphosis Roll N0-1 b. Lordosis Roll N0-2 c. Scoliosis Roll N0-3 d. Rounded shoulders Roll N0-4 e. Flat Foot Roll N0-5 f. Knock knees Roll N0-6

g. Bowlegs Roll N0-7

The following points must be kept for consideration while assessing the project portfolios

1. Introduction

- Define postural deformities.
- Importance of studying postural deformities in physical education.
- Overview of the project's objectives and structure.

2. Causes of Postural Deformities

- Genetic factors
- Poor posture habits
- Muscle imbalances
- Injury or trauma
- Medical conditions (e.g., muscular dystrophy, cerebral palsy)
- Obesity
- Sedentary lifestyle

3. Effects of Postural Deformities

- Musculoskeletal pain
- Reduced flexibility and mobility
- Decreased athletic performance
- Impaired respiratory function
- Psychological effects (self-esteem issues, social stigma)

4. Prevention and Management

- Importance of early detection and intervention
- Ergonomic principles for posture improvement
- Stretching and strengthening exercises
- Postural correction devices (e.g., braces)
- Lifestyle modifications (e.g., maintaining healthy weight, avoiding prolonged sitting)
- Physical therapy and rehabilitation techniques

5. Role of Physical Education in Addressing Postural Deformities

- Incorporating posture awareness into physical education curriculum
- Teaching proper biomechanics and body mechanics
- Conducting regular posture assessments
- Designing exercises and activities to promote postural alignment
- Educating students on the importance of maintaining good posture for overall health and athletic performance

6. Case Studies or Examples

- Real-life examples of individuals with postural deformities and their journey towards improvement.
- Success stories of athletes or individuals who have overcome postural deformities through physical education interventions.

7. Conclusion

- Recap of key findings and insights.
- Importance of addressing postural deformities in physical education.
- Call to action for further research and implementation of strategies to prevent and manage postural deformities.

8. References

- List of sources cited in the project.

NOTE-

***Individually Student has to prepare The Research Project.**

***The Research Project 800-1000words essay/script/Report**

*** This Project-Portfolio is a compilation of the work that the students will submit in the first week of July.**

***If possible, photograph that Capture the positive experience of the students.**

***Remember to structure your research project with clear headings, subheadings, and a logical flow of information.**

	<p>*You can include illustrations or diagrams to enhance understanding, especially when explaining different types of postural deformities or corrective exercises.</p>
<p>C.ARTS</p>	<p>Write a research base note on given below topic with appropriate pictures examples 1. The Rajasthani and Pahari School of Miniature Painting 2. The Mughal and Deccan School of Miniature Painting. 3. Highlight the aesthetic aspects of the famous painting Radha by Nihal Chand. 4.” Krishna with Gopi's belongs to which sub school of Pahari school of miniature painting? 5. Who painted the popular theme of rasamanjari from basohli school? 6. The period of which Pahari ruler is called the “golden period of kangra school? 7. What is the base material of the manuscript paintings found in Pala and western schools? 8. The paintings of Palam Bhagwat can be seen in which sub school of painting? 9. Sawant Singh and bani- Thani were represented as which eternal lovers? 10. Where is Pichwai art famous?</p> <p>All students write down this question answer in your commercial art notebook.</p> <p>Q.11 Portfolio Project Prepare a portfolio project on the given topic 1) Illustrate in watercolor on an A2 size sheet (a) Cultural activity (b) India my dreams (c) National event (d) Music (e) Family scene</p> <p>Guidelines In each human figure composition sheet minimum three human figure, figure size minimum 6 inches, medium watercolor/poster color.</p>

	<p>Note- Students are required to complete their painting finishing work in class after summer break.</p>
<p>PAT</p>	<p>Research project on Students Assessment in Physical Activity Training Topic:- Types of Assessment in Physical Activity Training</p> <ol style="list-style-type: none"> a. Formative assessment Roll N0-1 b. Summative assessment Roll N0-2 c. Diagnostic assessment Roll N0-3 d. Performance assessment Roll N0-4,5 e. Written assessment Roll N0-6,7 <p>The following points must be kept for consideration while assessing the project portfolios</p> <p>1.Introduction</p> <ul style="list-style-type: none"> • Definition of physical activity training. • Importance of assessing students in physical activity training programs. • Overview of the project's objectives and structure. <p>2.Purpose of Assessment in Physical Activity Training</p> <ul style="list-style-type: none"> • Monitoring progress: Tracking students' progress and development over time to identify areas for improvement and adjustment. • Informing instruction: Using assessment data to tailor instruction and interventions to meet individual students' needs and learning styles. • Motivating students: Providing feedback and recognition to motivate students to engage actively in physical activity training and strive for improvement. • Ensuring accountability: Holding students accountable for their learning outcomes and performance in physical activity training programs.

- Informing program evaluation: Using assessment results to evaluate the effectiveness of physical activity training programs and make data-driven decisions for improvement.

3.Methods and Tools of Assessment

- Written assessments: Multiple-choice questions, short-answer questions, essays, and reflective journals.
- Rubrics: Criteria-based scoring guides used to evaluate students' performance and provide feedback on specific skills and behaviors.
- Self-assessment and peer assessment: Opportunities for students to assess their own progress and provide feedback to their peers.
- Technology-based assessments: Use of digital tools and apps for data collection, analysis, and feedback in physical activity training.

4.Considerations for Effective Assessment

- Alignment with learning objectives: Ensuring that assessments are aligned with the goals and objectives of the physical activity training program.
- Validity and reliability: Using assessment methods and tools that are valid, reliable, and fair for all students.
- Differentiation: Providing accommodations and modifications to assessments to meet the diverse needs of students with varying abilities and learning styles.
- Feedback and communication: Providing timely and constructive feedback to students to support their learning and development.

- Ethical considerations: Ensuring that assessments are conducted in a fair, equitable, and respectful manner, respecting students' privacy and confidentiality.

5.Challenges and Best Practices

- Challenges in assessing physical activity: Subjectivity, variability in performance, and limitations of traditional assessment methods.
- Best practices for overcoming challenges: Clear assessment criteria, rubrics for performance evaluation, ongoing feedback and reflection, and opportunities for student self-assessment and peer assessment.

6.Future Directions and Innovations

- Emerging trends in assessment technology: Wearable devices, mobile apps, and virtual reality simulations for assessing physical activity and performance.
- Integration of assessment into physical activity training programs: Using assessment data to personalize instruction, track progress, and optimize learning outcomes.

7.Conclusion

- Recap of key findings and insights regarding assessment of students in physical activity training.
- Emphasis on the importance of assessment for monitoring progress, informing instruction, motivating students, ensuring accountability, and evaluating program effectiveness.

	<ul style="list-style-type: none"> • Call to action for further research and innovation in assessment methods and practices in physical activity training. <p>8. References</p> <ul style="list-style-type: none"> • List of sources cited in the project. <p>NOTE-</p> <p>*Individually Student has to prepare The Research Project.</p> <p>*The Research Project 800-1000words essay/script/ Report</p> <p>* This Project-Portfolio is a compilation of the work that the students will submit in the first week of July.</p> <p>*If possible, photograph that Capture the positive experience of the students.</p> <p>*Remember to structure your research project with clear headings, subheadings, and a logical flow of information.</p> <p>*You can include illustrations or diagrams to enhance understanding, especially when explaining different types of postural deformities or corrective exercises.</p>
<p>ENTREPRENEURSHIP</p>	<p>INTRODUCTION: The student is required to do a project on “BUSINESS PLAN”</p> <p>OBJECTIVES: The project work is to enable learners to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Probe deeper into personal enquiry, initiate action and reflect on knowledge and skills, views etc. acquired <input type="checkbox"/> analyze and evaluate real world scenarios using theoretical constructs and arguments <input type="checkbox"/> demonstrate the application of critical and creative thinking skills and abilities to produce an independent and extended piece of work <input type="checkbox"/> follow up aspects in which learners have interest <input type="checkbox"/> develop the communication skills to argue logically

	<p>METHODOLOGY: Students may work upon the following lines as a suggested flow chart:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Choose a title/topic <input type="checkbox"/> Collection of the research material/data <input type="checkbox"/> Organization of material/data Present material/data <input type="checkbox"/> Analyzing the material/data for conclusion <input type="checkbox"/> Draw the relevant conclusion <input type="checkbox"/> Presentation of the Project Work
<p>LEGAL STUDIES</p>	<p>INTRODUCTION: The student is required to do a project on ‘Understanding Case Laws’</p> <p>OBJECTIVES: The project work aims to enable students to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> identify a legal problem and provide its remedy <input type="checkbox"/> select relevant legal sources and conduct research <input type="checkbox"/> analyse and distinguish between types of cases <input type="checkbox"/> apply case laws and relevant statutory laws <p>METHODOLOGY-: The student is required to select any 3 decided cases related to the curriculum where one must be civil in nature, one criminal and one constitutional in character. The research on the cases must include the following points:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Name of the case <input type="checkbox"/> Parties to the case <input type="checkbox"/> Citation to the case <input type="checkbox"/> Bench <input type="checkbox"/> Nature of the case (Civil, Criminal or Constitutional) <input type="checkbox"/> Facts of the case and issues involved <input type="checkbox"/> Decision of the case including Ratio Decidendi and Obiter Dicta