

# SHREE VASISHTHA VIDHYALAYA

## Diwali Assignment (2023 24)

### STD-12 Science

Sr. No.	Subject	Topics
1.	English	<p><b>Literature:-</b></p> <ol style="list-style-type: none"> <li>Our language is part of our culture and we are proud of it. Describe how regretful M. Hamel and the village elders are for having neglected their native language, French.</li> <li>'Lost Spring' explains the grinding poverty and traditions that condemn thousands of people to a life of abject poverty. Do you agree? Why/Why not?</li> <li>Desire, determination and diligence lead to success. Explain the value of these qualities in the light of Douglas' experience in "Deep Water".</li> <li>Our scriptures tell us that determination and perseverance are cardinal virtues of a good human being. Raj Kumar Shukla succeeded in taking Gandhiji to Champaran with the help of these two.</li> <li>How can young students today use these two qualities to make successful careers for themselves?</li> <li>What political significance does Gemini Studios' invitation to Moral Re-Armament army and Stephen Spender show?</li> <li>Science has an aura of magic. Do you agree? Why? Why not? (Third Level)</li> <li>The king was callous as a ruler and behaved whimsically. Thus, the people in his kingdom suffered while he fulfilled his desire of killing a hundred tigers. Do you find leaders or politicians in the world today being indifferent to the needs of the people and behaving in the same way? Comment with relevant examples.</li> <li>Why does Tishani Doshi call her trip to Antarctica a "Journey to the End of the Earth"? What experience did she have during this expedition?</li> <li>What conflicting ideas arise in Dr. Sadao's mind after he has brought the wounded American soldier home? How is the conflict resolved?</li> <li>Do you think Derry's chance meeting with Mr Lamb would prove meaningful to him? Answer giving valid reasons.</li> </ol> <p><b>Writing:-</b></p> <ol style="list-style-type: none"> <li>You are Secretary of the History Club of Vidya Mandir School. Draft a notice in not more than 50 words informing students of a proposed visit to some important historical sites in your city.</li> <li>You are Srinivas /Srinidhi of D.P. Public School, Nagpur. As Student Editor of your school magazine, draft notice in not more than 50 words for your school notice board inviting article sketches from students of all classes.</li> <li>You are the Principal of Zodiac Senior Secondary School, Ooty. The school has completed 25 years of its meritorious services to the society. The Silver Jubilee Celebrations are to be held on Sunday, the 26th October, 20XX. Mrs M. Kamath, the founder Principal will preside. Draft a suitable invitation to be sent to important dignitaries of the city and the parents of students.</li> <li>Highlight the importance of proper garbage disposal with an aim to create awareness among the city residents. Write a letter regarding the same to the editor of a local daily Hindustan Times. You are Rubal of Shakti Nagar, Delhi.</li> <li>Recent floods in many metropolitan cities of the country during the monsoon season laid bare the hollowness of the claims of the civic authorities of their preparedness. The poor had to bear the brunt of the problem while no one was ever held accountable. Write an article in 150 – 200 words on the common man's woes during the monsoons and the need for accountability of the officials concerned. You are Sumit/Smita Verma.</li> <li>India is a land of diversity. One way in which it makes us feel proud of it is the number of festivals we enjoy. Write an article in 150-200 words on 'Festivals of India'. You are Karuna/Karan.</li> </ol>
2.	Physics	<ul style="list-style-type: none"> <li>A set of <b>3 Sample Papers</b> is shared with you. Solve the given <b>Papers in your Physics notebook</b>. Work should be done neatly and all solutions to have diagrams, graphs, or calculations as required.</li> </ul>

3.	<b>Chemistry</b>	<ul style="list-style-type: none"> <li>A set of <b>3 Sample Papers</b> is shared with you. Solve the Questions from Organic &amp; Inorganic Chemistry chapters from the given <b>Papers in your Chemistry notebook</b>. Work should be done neatly and all solutions to have reactions, diagrams, graphs, or calculations as required.</li> </ul>
4.	<b>Mathematics</b>	<ul style="list-style-type: none"> <li>A set of <b>2 Sample Papers and a practice worksheet</b> is shared with you. Solve the given <b>Papers in your Mathematics notebook</b>. Work should be done neatly and all solutions to have formulae, diagrams, graphs, or calculations as required.</li> </ul>
5.	<b>Biology</b>	<ul style="list-style-type: none"> <li>A list of all Important Diagrams from Units 6 &amp; 7 is given below. Make a small size diagram notebook and make well labelled diagrams of each. You may use colored pen or pencil to enhance your presentation.  <b>UNIT 06: REPRODUCTION:</b> T.S (Transverse Section) of a young anther, Stages of microspore maturing into a pollen grain, Anatropous ovule, Mature Embryo Sac, Female Reproductive System in Human Beings, All Diagrams of Gametogenesis topic.  <b>UNIT 07: GENETICS AND EVOLUTION:</b> Punnet Square, Diagram of Test cross, Incomplete dominance and Dihybrid cross, Pedigree Analysis, Nucleosome, The Hershey-Chase experiment, Replicating Fork, Transcription unit of tRNA, lac Operon, Operation of natural selection on different trait.</li> <li>A set of <b>2 Sample Papers</b> is shared with you. Solve the given <b>Papers in your Biology notebook</b>. Work should be done neatly and all solutions to have diagrams as required.</li> </ul>
6.	<b>Informatics Practices</b>	<ol style="list-style-type: none"> <li>Create a data frame of your choice having at least 5 columns</li> <li>Add 10 records of your choice.</li> <li>Display the data frame and also create the following graphs.               <ol style="list-style-type: none"> <li>Bar</li> <li>Line</li> <li>Histogram</li> <li>Horizontal Bar</li> </ol> </li> </ol> <p><b>All the codes and the outputs are to be written in the IP notebook.</b></p>
7.	<b>Physical Education</b>	<p><b>Answer all the questions given in the pdf of question bank of the following units in your PE Notebook.</b></p> <p>Unit: 8 Biomechanics and sports Unit: 9 Psychology and sports</p>
8.	<b>Economics</b>	<ul style="list-style-type: none"> <li>A set of <b>2 Sample Papers and two practice worksheets</b> are shared with you as per the following list:           <ol style="list-style-type: none"> <li>Practice test paper- SET 1 and 2</li> <li>Worksheet on Case Study Based Questions</li> <li>Worksheet on Numerical Questions of macroeconomics.               <ul style="list-style-type: none"> <li>Solve the given <b>Papers/worksheets in loose sheets/project papers and submit in a separate folder</b>. Work should be done neatly and all solutions to have formulae, diagrams, graphs, or calculations if required.</li> </ul> </li> </ol> </li> </ul>

#### NOTE:

- ❖ Students need to complete the subject specific assignments as per the instructed norms.
- ❖ Detailed guidelines are explained in the classes.
- ❖ **Worksheets and Sample Question Papers will be shared on Class WhatsApp group and School App. You are advised to take the printout of the same and use the hard copies for doing the homework.**
- ❖ **Submission date for all assignments is 4<sup>th</sup> December, 2023, Monday.**
- ❖ These assignments are a part of the Internal Assessments and will be marked for the same. It is mandatory for the students to complete the assignments and submit it to the concerned **teachers**.
- ❖ Students are requested to get their doubts regarding the assignments during regular classes.

*May the divine light of Diwali spreads into your life and bring peace, prosperity, happiness, good health and grand success.*

