

SHAKUNTALA VIDYALAYA, RAMNAGAR, BHILAI**ASSIGNMENT FOR SUMMER VACATION****Class: XII**

SNO	SUBJECT	TOPIC
1	ENGLISH	<p>I. What are the criteria that you'll observe while assessing M.Hamel as a linguistic chauvinist bone to bone? Moreover, do you think that a mother tongue lover is a real patriot, if so why and why not?</p> <p>II. Little Franz was taken aback when he stepped in the ambit of the school premises. What did he observe regarding unusual ambience?</p> <p>III. What is the significance of the parting words of the poet and her smile in 'My Mother At Sixty Six'?</p>
2	HINDI	<p>हिंदी परियोजना कार्य :-</p> <p>i. किसी महान रचनाकार की जीवनशैली को दर्शाते हुए उनके साहित्यिक क्षेत्र की विशेषताओं को उजागर कीजिए ।</p> <p>अथवा</p> <p>ii. साहित्य के क्षेत्र में मिलने वाले पुरस्कारों & सम्मानों को उल्लेख कीजिए, आपके राज्य में किसको-किसको कौन-कौन सा पुरस्कार & सम्मान मिला इसका संक्षिप्त उल्लेख कीजिए ।</p> <p>iii. अभिव्यक्ति और माध्यम पाठ 3 के विषय आधारित प्रश्नोत्तर ।</p>
3	PHYSICS	Complete the lab record leaving the observation table, calculation and result blank. (8 Experiments and 6 activities).
4	CHEMISTRY	<p>1. Reaction Mechanism Flow Art</p> <ul style="list-style-type: none">• Concept: SN^1, SN^2, E^1 & E^2 reactions, Carbocation rearrangement• Art Integration:<ul style="list-style-type: none">➤ Design Reaction Pathway Flow Chart in comic strips or story bound style.➤ Use different colours, patterns, and arrows to illustrate reaction mechanism. <p>2. Electrochemical Cell Model and Artistic Circuit</p> <ul style="list-style-type: none">• Concept: EMF of cell, Standard Electrode Potential, Galvanic cell.• Art Integration:<ul style="list-style-type: none">➤ Create a working electrochemical cell model using card-board, painted containers and coloured wires.➤ Design artistic diagram of electron flow using tribal art patterns or local motifs.➤ Skill Development: Practical applications of electrochemistry model making skill.

		<p>3. Co-ordination Compounds- Isomerism Art</p> <ul style="list-style-type: none"> • Concept: Geometrical and Optical isomerism in co-ordination complexes. • Art Integration: <ul style="list-style-type: none"> ➤ Make clay or model structure showing cis- trans and Fac-Mer isomers. ➤ Draw symmetry and mirror image diagrams in creative art form. ➤ Skill development: Spatial visualization, Structure identification. <p style="text-align: center;"><u>Projects</u></p> <p>Prepare:</p> <ol style="list-style-type: none"> 1. Eco-friendly Air Freshener 2. Battery from fruits/ vegetables (glow LED by using cell made from lemon, potato etc) 3. Natural dye: Extraction and Cloth dyeing 4. Bio-plastic preparation 5. Solar Water Heater model. 6. Rust removal and prevention experiment. 7.
5	BIOLOGY	<ol style="list-style-type: none"> 1. Define reproductive health... Mention it's problems and strategies. 2. What are the reasons of population explosion ? 3. Highlight the characteristics of ideal contraceptives. 4. Suggest some ways of controlling population. 5. Explain in brief:- <ol style="list-style-type: none"> a. Natural methods of birth control b. Barrier methods of birth control c. Oral contraceptives d. Intra- uterine Devices (IUDS) e. Surgical methods (Vasectomy and tubectomy) f. Injectables and implants. 6. Why are MTPs (Medical Termination of pregnancy) carried out? 7. Expand ICSI. What is it? 8. How are assisted reproductive technologies(ARTS) helpful to humans ? 9. How are ZIFT and GIFT different from intrauterine transfer ? 10. Enlist the probable causes of Infertility. 11. What is amniocentesis? Why has the government imposed a statutory ban inspite of its importance in medical field ? 12. When and how Artificial insemination is performed? 13. What are STDs ? Mention viral and bacterial STDs along with their mode of transmission, causative organisms and symptoms. 14. What are the objectives of RCH ?
6	MATHEMATICS	<p>*Complete and perform all the listed activities of Lab-Manual from the PDF shared in the class Whatsup group.</p> <p>*Select any one historical monument from Chhattisgarh and</p>

		Kerala.Find and compare the mathematical concepts involved in their construction.Also explore the mathematical facts involved.(Make a PPT presentation)
7	BUSINESS STUDIES	The students are required to visit any one of the following: 1. A departmental store. 2. An Industrial unit. 3. A fast food outlet. 4. Any other organisation approved by the teacher. They are required to observe the application of the general Principles of management advocated by Fayol or Taylor.
8	ECONOMICS	1. Why are only final goods included by calculating national income. 2. Explain the significance of circular flow of income. 3. Explain why transfer payments are not included in the calculation of national income. 4. Why is the value of intermediate goods not included in the estimation of national income. (Answer these questions in your Class notebook)
9	ACCOUNTANCY	CHAPTER 1 Accounting for Partnership Firm (Fundamentals) Solve all the back questions & illustrations of NCERT book & T S Garewal (Till the topic taught in Class)
10	GEOGRAPHY	Prepare a project report on Spatial Information & technology.
11	HISTORY	Choose any one topic and Prepare a project report. 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
12	POLITICAL SCIENCE	Choose any one topic and Prepare a project report 1. Disintegration of USSR with special focus on Gorbachev. 2. Arab Spring 3. Cover the negative as well as positive aspects of relationship between India and the following countries. Focus on any one of the following (current updates should be highlighted): a) Relationship between India and Russia b) Relationship between India and China c) Relationship between India and Pakistan d) Relationship between India and Bangladesh 4. ASEAN 5. European Union and BREXIT 6. BRICS 7. United Nations with focus on India's candidature in

		<p>Security Council. 13. UN Agencies – UNICEF, UNESCO, WHO</p> <p>8. Pandemics: Covid 19- Its global impact (focus on worldwide cooperation and preparedness along with controversies (please collect newspaper clippings for the same)</p> <p>9. Partition of India-Theory behind it and its legacy.</p>
13.	COMPUTER SCIENCE	<p>Click on the provided link to access the questions and complete the assessment.</p> <p>https://acrobat.adobe.com/id/urn:aaid:sc:AP:6fc067ed-6403-45d0-945a-59d91fc34aef</p>
14	PHYSICAL EDUCATION	<p><u>Project File:-</u></p> <ol style="list-style-type: none"> 1. Sai Khelo India Fitness Test 2. Yoga Asana as prevention & cure for Lifestyle Diseases(2 Asanas For each lifestyle disease) 3. Any game of your Choice (Basketball, Football, Volleyball, Handball, Kho Kho, Kabaddi, Hockey & Cricket)
15.	MARKETING	Create a project report on pricing policy adoption by different manufacturing OR service firms.
16.	YOGA	<p><u>Project File:-</u></p> <ol style="list-style-type: none"> 1. Introduction of Yoga 2. History of Yoga 3. Asana & their Types 4. Pranayama & their Types 5. Shatkarma (Any 2 Kriya) 6. Suryanamaskar
17.	KATHAK	Make a poster on Classical Dance form of India focusing on either one of the topics introduction, costume, ornaments and artists.