

**SAINIK SCHOOL AMBIKAPUR**  
**CHHATTISGARH**  
**SUMMER VACATION HOMEWORK (2024-25)**  
**Class- X**  
**Subject - English**

Class – X	Subject - English	Teachers - Prakash Tiwari, Sudhir Kumar, Ashish Tiwari
S.No.	Items	Details
1.	Syllabus for PT-1	<p><b><u>Reading Comprehension through Unseen Passage</u></b></p> <p>I. Discursive passage of 400-450 words.  II. Case-based passage (with visual input- statistical data, chart etc.) of 200-250 words.</p> <p><b><u>Grammar</u></b></p> <ul style="list-style-type: none"> <li>• Tenses</li> <li>• Modals</li> <li>• Subject – verb concord</li> <li>• Reported speech <ul style="list-style-type: none"> <li>Commands and requests</li> <li>Statements</li> <li>Questions</li> </ul> </li> <li>• Determiners</li> </ul> <p><b><u>Creative Writing Skills</u></b></p> <p>This section will have short as well as long writing tasks including compositions.</p> <p>I. Formal Letter based on a given situation in 100-120 words. One out of two questions is to be answered.  II. Writing an Analytical Paragraph (100-120 words) on a given Map / Chart / Graph / Cue/ s . One out of two questions is to be answered.</p> <p><b><u>Literature</u></b></p> <p><b>FIRST FLIGHT</b> (Chapter 1-4 including poems)</p>
2.	Revision Homework / Assignment	<p>1. You have learnt about the freedom struggles of many nations after the Second World War and how many leaders spearheaded freedom movements in their countries. Based on the learning from history and political science, write about any two leaders</p>

		<p>from different nations. The following are prompts that can help you :</p> <p>(a) Their thoughts  (b) Their uniqueness  (c) Honesty and integrity  (d) Confidence and leadership qualities  (e) Inspirational speeches  (f) Contributions to free their countries'</p> <p>2. 'Rules are meant to be observed in spirit not only in letter'. Explain what you understand by this statement. Write an article in about 120-150 words on how the rules can be effectively implemented in the society and citizens can follow it in the true spirit.</p> <p>Q3. Today's world is conflict ridden. People fight over various issues and there is no peace in the world. Explain/Describe based on your reading of the poem 'Fire' and 'Ice'.</p> <p>Q.4. 'Good things come in small packages'. How does the poem, 'Dust of Snow', illustrate this idea?</p> <p>Q.5. You are Sakshi/Saksham, Hostel Warden, Radha Krishna Public School, Vrindavan, Uttar Pradesh. Write a letter to the Sales Manager, Bharat Electronics and Domestic Appliances Ltd., New Delhi, placing an order for fans microwaves, ovens and geysers that you wish to purchase for the hostel. Also ask for a discount permissible on the purchase.</p>
3.	Subject Capacity Building Assignment	<p>Make a table calendar of size (10x8inches) for 2023. You can take prints of the calendar for each month and paste them on the right side of each page. On the left side draw/paste pictures of any 12 stalwarts (men or women) pictures should represent one particular month. Beneath the picture write their contribution in about 30-40 words.</p>
4.	Preparatory Work for Units/ Chapters covered	<p>Read Chapter no. 3,4 &amp; 5 of your prescribed books (Beehive &amp; Moments) find out 15 new words from each chapter and write their meanings.</p>

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**Class- X**  
**Subject - Science**

Class – X	Subject- Science	Teachers - Manish Rajak, KPC Rambabu, Sunil Kumar Dubey
S.No.	Items	Details
1.	Syllabus for PT-1	1.Chemical reaction and equation 2.Life processes 3.Light reflection and Refraction
2.	Revision Homework / Assignment	Chemistry: Write down different types of chemical reactions and equations which occur in our daily life. List them on the A4 size paper and also write down examples. Physics: Draw rules for ray diagram for convex and concave mirror.  Draw Image formations in concave mirror and convex mirror when objects are kept at different positions.
3.	Subject Capacity Building Assignment	Write down various types of laboratory equipment which are used in the science lab and also draw their diagrams.  Prepare a working model on the topic Human digestive system / Respiratory / Circulatory system and explain briefly about its function.
4.	Preparatory Work for Units/ Chapters covered	Prepare 50 MCQ questions from chapter 1 ,2,3

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**Class- X**  
**Subject - Maths**

Class – X	Subject - Maths	Teachers - SK Pandey, TS Rao, TVNM Rao
S.No.	Items	Details
1.	Syllabus for PT-1	<ol style="list-style-type: none"> <li>1. Real Numbers</li> <li>2. Polynomials</li> <li>3. Pair of Linear Equations in Two Variables</li> <li>4. Quadratic Equations</li> </ol>
2.	Revision Homework / Assignment	Solve MCQ questions of R D Sharma of chapters Real Numbers, Polynomials, Pair of Linear Equations in Two Variables & Quadratic Equations
3.	Subject Capacity Building Assignment	<ul style="list-style-type: none"> <li><input type="checkbox"/> To determine the Zeroes of linear polynomial, Quadratic polynomial and cubic polynomial graphically</li> <li><input type="checkbox"/> To draw and observe the shape of the curve when the coefficient of <math>x^2</math> is positive and negative and its number of zeroes.</li> <li><input type="checkbox"/> To verify the conditions for Consistency/in consistency for pair of linear equations in two variable by graphical method</li> <li><input type="checkbox"/> Verification of Pythagoras theorem By cut and paste activity(Bhaskara Method)</li> <li><input type="checkbox"/> To find the area of circle by using cut and paste activity(dividing the circle into 16 part and converting into parallelogram)</li> <li><input type="checkbox"/> To draw the graph of quadratic polynomial and observe the shape of the curve hence find the zeroes of the quadratic equation</li> <li><input type="checkbox"/> To obtain the solution of a quadratic equation by completing the square geometrically.</li> </ul>
4.	Preparatory Work for Units/ Chapters covered	<ol style="list-style-type: none"> <li>1. Learn the multiplication of two digit and 3 digit number by Vedic maths.</li> <li>2. Verify the relation between the coefficient of quadratic equation and their zeros.</li> <li>3. Learn Shridharacharya formula ( factor formula) and how determine the nature of roots of quadratic equations.</li> <li>4. Condition of linear equation of two variable have unique solution, infinite many solution, no solution</li> </ol>

		and draw their graph. 5. Learn and practice fundamental theorem Arithmetic.
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**Class- X**  
**Subject - Social Science**

Class – X	Subject - Social Science	Teachers- Shivesh Rai, AR Khan, Madhu Gupta
S.No.	Items	Details
1.	Syllabus for PT-1	History Ch-1 The Rise Of Nationalism In Europe Geography Ch-1 Resources and Development Dem Pol Ch-1 Power Sharing Economics Ch-1 Development
2.	Revision Homework / Assignment	Read the above chapters carefully and mark the one liner question and answers. Make chapter notes in your SS notebook.
3.	Subject Capacity Building Assignment	Write a detailed review of ongoing Lok Sabha (General Elections 2024) including results and about the party wins the majority in a A-4 size book.
4.	Preparatory Work for Units/ Chapters covered	Read the History Ch-2 Nationalism in India Demo Pol Ch-2 Secularism And Economics Ch-3 Money and Credit

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**Class- X**  
**Subject - Hindi**

Class – X	Subject Hindi	Teachers- Ravindra Tiwari, AM Tripathi, Rajesh Kumar
S.No.	Items	Details
1.	Syllabus for PT-1	<p style="text-align: center;"><b>पाठ्यपुस्तक क्षितिज -2</b></p> <p>1. पाठ 1- सूरदास के पद (पद्य खंड से)</p> <p>2. पाठ 1- नेता जी का चश्मा (गद्य खंड से)</p> <p style="text-align: center;"><b>पूरक पुस्तक - कृतिका -2</b></p> <p>1. पाठ 1- माता का अंचल</p>
2.	Revision Homework / Assignment	‘क्षितिज-2’ के पाठ एक, एवं ‘कृतिका -2’ के पढाए गए समस्त पाठों का गहन अध्ययन कीजिए तथा सम्बंधित प्रश्नोत्तरों का अभ्यास कीजिए ।
3.	Subject Capacity Building Assignment	<p>1- ‘देशप्रेम’ से सम्बन्धित एक स्वरचित कविता लिखिए ।</p> <p>2-अपने द्वारा किए गये किसी एक शैक्षिक भ्रमण का वर्णन 300 शब्दों में कीजिए ।</p> <p>3 – अपनी कल्पना द्वारा अपने बचपन के अनुभवों पर आधारित एक कहानी लिखें जिसमें बचपन के खेल, पढाई और मुहल्ले / गाँव का वर्णन किया गया हो ।</p> <p>4- अपनी पढी हुई किसी कहानी के आधार पर विस्तार से लिखिए कि उसमें क्या जीवन/ नीति विषयक मूल्य उभर कर आए हैं तथा उससे आपको क्या प्रेरणा मिलती है ?</p>
4.	Preparatory Work for Units/ Chapters covered	<p>‘क्षितिज-2’ के पाठ एक, एवं ‘कृतिका -2’ के पढाए गए समस्त पाठों का गहन अध्ययन कीजिए तथा सम्बंधित प्रश्नोत्तरों का अभ्यास कीजिए ।</p> <p>· विज्ञापन, औपचारिक पत्र तथा ई - मेल लेखन का अभ्यास कीजिए ।</p> <p>‘अलंकार’ का अभ्यास कीजिए ।</p> <p>पाठ्यपुस्तक क्षितिज -2</p> <p>1. पाठ 1- सूरदास के पद (पद्य खंड से)</p> <p>2. पाठ 1- नेता जी का चश्मा (गद्य खंड से)</p> <p style="text-align: center;">पूरक पुस्तक - कृतिका -2</p> <p>1. पाठ 1- माता का अंचल</p>

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**Class- X**  
**Subject - Computer Applications**

Class – X	Subject - Computer Applications	Teachers- Roushan Kumar
S.No.	Items	Details
1.	Syllabus for PT-1	<ol style="list-style-type: none"> <li>1. Internet Basics</li> <li>2. Internet Services and Mobile Technologies</li> </ol>
2.	Revision Homework / Assignment	<p><b>Choose the correct option:-</b></p> <ol style="list-style-type: none"> <li>1. A web-site is a collection of             <ol style="list-style-type: none"> <li>a) HTML documents</li> <li>b) Graphic files</li> <li>c) Audio and Video files</li> <li>d) All of the above</li> </ol> </li> <li>2. The first page that you normally view at a web site is its:             <ol style="list-style-type: none"> <li>a) Home Page</li> <li>b) Master Page</li> <li>c) First Page</li> <li>d) Banner Page</li> </ol> </li> <li>3. When you visit a web site, it will open the page set as _____ of the web site.             <ol style="list-style-type: none"> <li>a) Web Site</li> <li>b) Home page</li> <li>c) Email</li> <li>d) ISP</li> </ol> </li> <li>4. Web pages on a web site are linked together through a system of _____.             <ol style="list-style-type: none"> <li>a) hyperlinks</li> <li>b) Message</li> <li>c) Information</li> <li>d) ftp</li> </ol> </li> <li>5. Which of the following protocols is used for WWW?             <ol style="list-style-type: none"> <li>a) ftp</li> <li>b) http</li> <li>c) w3c</li> <li>d) None of these</li> </ol> </li> <li>6. Which protocol is used on most URL</li> </ol>



addresses?

- a) HTML
- b) HTP
- c) HTTP
- d) HLINK

7. Which of the following is not a part of URL?

- a) IP address
- b) Port Number
- c) Domain Name
- d) None of these

8. The address of location of the document on the world wide web is called its

- a) URL
- b) VoIP
- c) FTP
- d) TCP/IP

9. In URL,

<http://www.pacein.com/pr/main.htm>, which component identifies the web-site?

- a) http
- b) [www.pacein.com](http://www.pacein.com)
- c) /pr/main.htm
- d) None of these

10. In web services, the communication takes place between

- a) Two electronic devices
- b) Two human beings
- c) Two spiders
- d) None of the above

11. In an email address, the characters following '@' character represent

- a) User name
- b) E-mail Recipient
- c) Domain name
- d) None of these

12. \_\_\_\_\_ field of email-compose box allows to send same message to multiple recipients without getting them know about other recipients.

- a) cc
- b) To
- c) bcc
- d) Message

13. Chatting on Internet is

		<ul style="list-style-type: none"><li>a) Talking face to face</li><li>b) Talking on Phone</li><li>c) Online textual talk</li><li>d) None of these</li></ul> <p>14. To participate in a chat, you must be logged in the same site and communicate live with others by typing words on your computer.</p> <ul style="list-style-type: none"><li>a) True</li><li>b) False</li></ul> <p>15. Online textual talk is called</p> <hr/> <ul style="list-style-type: none"><li>a) Video Conferencing</li><li>b) telephony</li><li>c) Text Phone</li><li>d) Chat</li></ul> <p>16. A two way video phone conversation among multiple participants is called</p> <ul style="list-style-type: none"><li>a) Video Chatting</li><li>b) Video Talking</li><li>c) Video conferencing</li><li>d) Video watching</li></ul> <p>17. You can use email to send messages but not files across Internet.</p> <ul style="list-style-type: none"><li>a) True</li><li>b) False</li></ul> <p>18. The benefit of E-Learning is:</p> <ul style="list-style-type: none"><li>a) Class work can be scheduled around work and family.</li><li>b) Reduce travel time and travel costs for off-campus students.</li><li>c) Students can study anywhere they have access to computer and Internet connection.</li><li>d) All the above.</li></ul> <p>19. Out of the following which one is the most used feature of Internet:</p> <ul style="list-style-type: none"><li>a) E-mail</li><li>b) FTP</li><li>c) Telnet</li><li>d) Usenet</li></ul> <p>20. Buying goods by placing orders online is called:</p> <ul style="list-style-type: none"><li>a) E-commerce</li><li>b) E-shopping</li><li>c) e-buying</li><li>d) All the above</li></ul>
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3.	Subject Capacity Building Assignment	<b>Answer these questions:-</b> <ol style="list-style-type: none"><li>1. Give two advantages of E-mail?</li><li>2. What is social media?</li><li>3. What do you understand by the term URL?</li><li>4. What is the significance of HTTP?</li></ol>
4.	Preparatory Work for Units/ Chapters covered	<ol style="list-style-type: none"><li>3. HTML-I</li><li>4. HTML-II</li><li>5. HTML-III</li></ol>