

DELHI PUBLIC SCHOOL ALIGARH

Holiday HW (2016-17)

CLASS – IX

CLASS	SUBJECT	DESCRIPTION OF SYLLABUS
IX	ENGLISH	<ol style="list-style-type: none"> Solve Integrated Grammar Practice exercises of unit no. 1 to 8 in Work Book only. Read the novel, 'Three Men in a Boat' from ch.1 to 5 and write notes on theme, main characters and main incidents of the novel in Language notebook.
IX	HIINDI	<ol style="list-style-type: none"> प्रोजेक्ट कार्य- 'गंगा बचाओ' तथा 'भारत में बाल श्रम की समस्या' विषय से संबंधित फोटो खींचकर प्रोजेक्ट पेपर पर चिपकाइए। प्रत्येक विषय पर 80 से 100 शब्दों का अनुच्छेद लिखिए। फॉरमेटिव परीक्षा-1 के लिए हिन्दी का निर्धारित पाठ्यक्रम तैयार कीजिए।
IX	MATHS	<ol style="list-style-type: none"> Simplify: $\frac{\sqrt{5}-2}{\sqrt{5}+2} + \frac{\sqrt{5}+2}{\sqrt{5}-2}$ If $x=2+\sqrt{3}$, find the value of $x^2 + \frac{1}{x^2}$ Simplify: $\sqrt{3 + 2\sqrt{2}}$ Find the values of a and b so that the polynomial x^3+10x^2+ax+b is exactly divisible by $x-1$ as well as $x-2$. Find the value of k if $x-3$ is a factor of $x^3-kx^2+3kx-k$. Factorise: $x^4-2x^3-7x^2+8x+12$ If x^2-1 is a factor of $ax^4+bx^3+cx^2+dx+e$, show that $a+c+e=b+d=0$. What must be added to $x^3-3x^2-12x+19$ so that the result is exactly divisible by x^2+x-6 ? Find remainder when $p(x)=x^3-ax^2+6x-a$ is divided by $(x-a)$ In which quadrant do the following points lie $(2,-1), (3,0), (-2,-3), (4,6), (0,0), (6,-3)$ <p>Note: Solve the questions in maths notebook.</p>
IX	CHEMISTRY	<p>PART-A (For Roll nos. 14 to 26)</p> <ol style="list-style-type: none"> Prepare one chart on General properties of Solids, Liquids and Gases . <p>PART-B (For All)</p> <ol style="list-style-type: none"> What are the characteristics of particles of matter? Comment upon the following: rigidity, compressibility, fluidity and density. Liquids generally have lower density as compared to solids. But you must have observed that ice floats on water. Find out why? What do you understand by diffusion? Give one example. Why is oxygen called a gas? Give two reasons.
IX	PHYSICS	<p>Part – A (Project work – Roll. No. 27 to Last) MAKE A CHART ON MOTION IN DAILY LIFE FOR ACCELERATED , DEACCELERATED AND UNIFORM MOTION</p> <p>Part – B (For all)</p> <ol style="list-style-type: none"> Q1. Define motion? Q2. Differentiate between speed and velocity? Q3. Differentiate between distance travelled and displacement? Q4. Define acceleration. Q5. Define motion. Describe its type. <p>Note : all questions of part B to be attempted in fair copy.</p>
IX	BIOLOGY	<p>BIOLOGY- ONLY ROLL NOS- 1 - 13 (CHART)</p> <ol style="list-style-type: none"> Q1. Prepare a neat well labelled chart on any of the topics of your choice related to syllabus of biology. <p style="text-align: center;">BIOLOGY QUESTIONS-FOR ALL</p> <ol style="list-style-type: none"> Q1. "A cell without Nucleus is with no future". Comment. Q2. Name two living cells which do not possess nucleus?

		<p>Q3. How can we compare the cells in an organism with bricks in a building?</p> <p>Q4. Try to find out the reason ? “Both mitochondria and plastids are called strange organelles”?</p> <p>Q5. The smallest cell is that of a PPLO. Find out the full name of a PPLO.</p>
IX	URDU	<p>Select any one contemporary topic of Social or Educational importance. Collect pictures related to that topic from Urdu / Hindi / English, newspapers and Urdu Magazine (mahnama Umang) and prepare a SCRAP BOOK . And also prepare a report (500 words in Urdu) on the same topic.</p> <p style="text-align: center;">OR</p> <p>Prepare a Report on your visit to various places during Summer Vacation. You may also paste different pictures of such places in your report. (report will be 200 words)</p>
IX	SANSKRIT	<p>1. एक अपठित गद्यांश अथवा संस्कृत कथा चुनकर, उनके प्रश्न-उत्तर लिखिए। 2. प्राचीन संस्कृत कवि अथवा लेखक में से किसी एक विषय पर चित्र चिपकाकर संक्षिप्त परिचय दीजिए।</p>
IX	Social Sci.	<p><u>NOTE – (For class IX and X) PROJECT ON DISASTER MANAGEMENT</u></p> <p>1 .The total length of the project report will not more than 15 hand written pages of(A-4 size) .The project report will be presented in a neatly BIODEGRADABLE FILE</p> <p>2. The project report will be hand written and credit will be awarded to original drawings, illustrations and creative use of materials.</p> <p>3. The project report will be developed and presented in this FORMAT.</p> <p>*COVER PAGE –Showing project title, student information, school and year</p> <p>*LIST OF CONTENTS –With page numbers.</p> <p>*ACKNOWLEDGEMENTS – (Acknowledging the institution, offices and libraries visited and the person who have helped).</p> <p>*PROJECT OVERVIEW –Purpose, aim, methodology and experiences while doing the project.</p> <p>*CHAPTERS –With relevant headings.</p> <p>*SUMMARY AND CONCLUSIONS –Based on findings.</p> <p>*PLANNING –The activities to be done during the project, by giving a calendar of activities.</p> <p>*BIBLIOGRAPHY –Should have the title, pages referred, author, publisher, year of publication and if a website, the name of the website with the specific website link which has been used .All the photographs and sketches should be labeled and acknowledged.</p> <p>TOPIC- GETTING ACQUAINTED WITH DISASTER MANAGEMENT-</p> <p>1: Manmade disaster.</p> <p>2: Natural disaster.</p> <p>Under the following headings</p> <p>(i) Disaster strikes.</p> <p>(ii) Emergency response and relief.</p> <p>(iii) Rehabilitation and reconstruction.</p> <p>(iv) Mitigation.</p> <p>(v) Preparedness.</p>