

ARMY PUBLIC SCHOOL GWALIOR



Dear Parents,

1. Every parent dreams of his/her ward to reach the zenith of his/her personal and professional life. To make him/her realize his/her dream, it is imperative on our part to understand our roles with responsibility, which is very crucial in shaping the genius of our children. It is believed that the learning environment each child requires is managed and created to a greater extent by the family and parents, and partially by the school. Nevertheless, their collaboration does magic as it benefits the children to use their knowledge, skills and talent to its optimum.
2. In the present time, after another resurgence of Covid-19 cases in large number in the city, it seems that the present generation may lose a greater amount of their education due to very unsafe and hazardous environment around us for our health and well-being. Moreover, apprehensions have yet again surfaced that in-person classes of our children may not be possible in near future and would remain suspended till October 2021. This anticipation is based on speculation at the moment while the whole Nation is combating the deadly Corona virus with all its might and resources.
3. Therefore, it is requested yet again that you would extend your due support to the school academic staff through regular communication with the school teachers, Vice Principal and the Principal for the continuous supervision of your ward at your end, his/her regularity and punctuality in online classes and assessments and quality monitoring of his/her studies in home environment. Your being on board with the school teachers for the education of your ward will help the school administration and the Management to ensure that no child is at any disadvantage during the pandemic and they do not lose anything during this academic year.
4. To maintain the continuity in their studies during the pandemic, we have decided to cut down the summer vacation this academic year too. For the Classes I to XII, Summer Vacation will start w.e.f. 1st May to 30th May 2021. For the interregnum period when the students will not in regular contact with teachers, the school is providing them Home Assignments class-wise on each core subject and activity subject so that their time is utilized for their independent studies and creative engagements. Therefore, I urge you to extend all possible help to school for the quality education of your ward. We will appreciate each communication with us on class-wise Whatsapp platform or over phone, in case of any urgency.

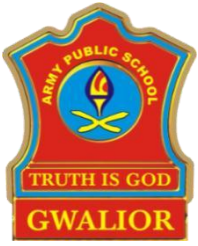
Stay Safe, Stay Indoors, Follow Covid-19 protocols,

Avoid any family function, gathering or visiting outstations,

Stay Happy and Spread Happiness and Hope!

With kind regards,

Class Teachers



ARMY PUBLIC SCHOOL GWALIOR
CLASS -IX
ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT



Subject: English

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S. No.	QUESTIONS	MARKS	NATURE
1	Write down the features of virtual classrooms and traditional classrooms.	5 Marks	Information
2	Imagine that you are the speaker in the poem- 'The Road Not Taken.' Prepare a diary entry explaining the dilemma that you faced.	5 Marks	Communication
3	Collect the photos of the musicians which you have read about in the chapter (The Sound of Music) and write five sentences just under the picture.	5 Marks	Creative
4	Make a collage to show the images of the destruction by the wind.	5 Marks	Interdisciplinary



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CLASS -IX
ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT

Subject: Hindi

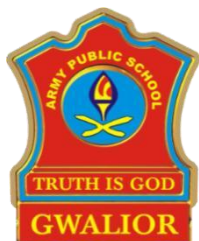
Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S. NO.	QUESTIONS	MARKS
1	अपने जन्मदिन पर मामा जी को बुलाने के लिए आलोक की ओर से एक निमंत्रण पत्र लिखिए। अथवा मित्र के बड़े भाई को नौकरी मिलने की खुशी में बधाई देने के लिए मित्र को पत्र लिखिए।	5
2	संवाद लेखन:- करोना वायरस से बचाव पर दो मित्रों के बीच हुई बातचीत को संवाद शैली में लिखिए। अथवा बिजली की बार बार कटौती से उत्पन्न स्थिति से परेशान महिलाओं की बातचीत का संवाद लेखन 50 से 60 शब्दों में कीजिए।	5
3	निम्नलिखित में से किसी एक विषय पर 80 से 100 शब्दों में एक अनुच्छेद लिखिए। (क)- समय बहुमूल्य है _अथवा (ख)- आदर्श विद्यार्थी आशु भाषण, वाचन :-	5

4	<p>निम्नलिखित में से किसी एक विषय पर अपने विचार व्यक्त कीजिए।</p> <p>महंगाई के बढ़ते चरण</p> <p>अथवा</p> <p>बाल मजदूरी की समस्या</p> <p>अथवा</p> <p>मेरे जीवन का लक्ष्य</p>	5
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ARMY PUBLIC SCHOOL GWALIOR
CLASS -IX
ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT



Subject: Mathematics

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Insert two irrational number between the following $\sqrt{2}$ and $\sqrt{3}$	1	understanding
2	Find the remainder when x^3+3x^2+3x+1 is divided by $x-1/2$	1	Application
3	Find a rational and an irrational number between a and b	1	understanding
4	If $x+1$ is a factor of $ax^3+x^2-2x+4a-9$ find the value of a	1	Interdisciplinary
5	Write in expanded form $(2x+1)^3$	1	Analytical Skill
6	If $(x+1/x) = 9$, then find the value of $(x^3 + 1/x^3)$	2	Critical Thinking and Problem Solving
7	Represent $\sqrt{3}$ on a number line.	2	Application
8.	Simplify: $(25/9)^{-3/2} \times (64/125)^{1/3} \times (25/3)^{-1}$	3	Analytical Thinking
9	. Represent $\sqrt{9.3}$ on a number line..	3	Critical thinking Application
10	If a polynomial $p(x)$ of degree greater than or equal to 1 is divided by a polynomial $(x+a)$ then remainder will be $p(-a)$ by the remainder theorem . If a polynomial $p(x)$ of degree greater than or equal to 1 , and 'a' is any real number such that $p(a) = 0$ then $(x-a)$ is a factor of $p(x)$ by factor theorem. Aditi and Riya write the following polynomial: Aditi: x^2-x+2 Riya: $x^2+7x-18$ Read the above comprehension and answer the following questions carefully.	5	Interdisciplinary

	<ol style="list-style-type: none">1. Remainder when polynomial written by Aditi is divided by $x+1$.2. Remainder when polynomial written by Riya is divided by $(x-1)$3. Degree of polynomial obtained by multiplying the two given polynomials4. Product of zeroes is in case of first polynomial.5. What are the zeroes of polynomial written by Riya		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS -IX
ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT



Subject: Science

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Define velocity and write its SI unit	1	Information
2	Define speed and write its SI unit	1	Understanding
3	Name three states of matter.	1	Information
4	Which state of matter have strongest force of attraction between their atoms/molecules.	1	Information
5	.Why plant cell have large vacuole?	1	Information
6	Define scalar quantity and vector quantity.	2	Analytical
7	Gas fills completely the vessel in which it is kept.Why?	2	HOT
8	Distinguish between distance and displacement(any three points)	3	HOT
9	Prepare a presentation on any three techniques of separating components of mixture.	3	HOT
10	Prepare a childhood vaccination schedule mentioning names of the important vaccines. Describe the importance of vaccine in COVID 19 pandemic.	5	Interdisciplinary



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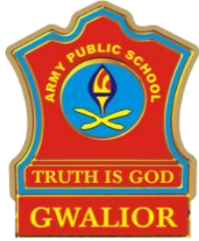
Subject: Social Science

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S. NO.	QUESTIONS	MARKS	NATURE
1	<p><u>Geography</u> (Physical features of India)</p> <p>Locate the following on the political map of India.</p> <ul style="list-style-type: none">(a) The Himalayan Mountains(b) The Northern Plains(c) The Peninsular Plateau(d) The Indian Desert(e) The Coastal Plains(f) The Islands <p><u>History</u> (The French Revolution)</p> <p>Locate the following on the political map of the world.</p> <ul style="list-style-type: none">(a) A fortress prison stormed by the people of France in 1789.(b) Port of France related to the slave trade.(c) Countries sharing boundaries with France.(d) Make a list of all the important dates related to French Revolution.(e) Two ports of France – Nantes and Bordeaux	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	Understanding
2	<p><u>Political Science</u> (What is Democracy? Why is Democracy?)</p> <p>Collect some pictures to show the given features of democracy.</p> <ul style="list-style-type: none">(a) Free and fair electoral competition.(b) Rule of law and respect for rights.	<p>3</p> <p>3</p>	HOT Interdisciplinary
3	<p>Make your own Elector Photo Identity Card (EPIC).</p>	3	Information



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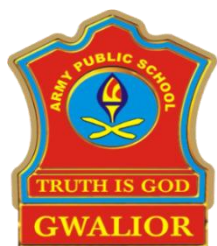
Subject: Computer Science

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Short Definition : (i) Assembly Language (ii) Inheritance (iii) OOP (iv) Language Processor	4 x ½ = 02	Information and Understanding
2	Answer the following questions:- (i) Write any two difference between procedural and Non-procedural Languages. (ii) Write any two advantages of high level language. (iii) Write any two difference between compiler and interpreter (iv) Write any two difference between Machine Language and High Level Language.	4x1=4	HOT
3	Find out and write the names and nature of any ten high level languages.	1 X 2= 2	Interdisciplinary
4	Write a program in any high level language to print the sum of any two inputted numbers.	1x2 = 2	Critical Thinking and Problem Solving



ARMY PUBLIC SCHOOL GWALIOR
CLASS -IX
ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT



Subject: Health and Physical Education

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S.NO	QUESTIONS	MARKS	REMARKS
1	Prepare an activity relating your favourite game with your favourite subject.	2	Information
2	Write short notes on five famous sports personalities with their achievement .Elaborate in 200 – 250 words.	2	Understanding
3	Make a video of five <i>Asanas</i> which can help you to improve the mental and physical health during this pandemic .	2	Inspiration
4	Impact of physical education on our health. Explain in 200- 250 words.	2	Relationship
5	Make a PPT on Rules and regulation of Volleyball and also construct it's court with proper measurement.	2	Analytical Skill



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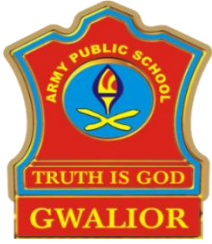
Subject: Work Education

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Make a House using cardboard waste and decorate it.	2 marks	Decision Making Skills
2	Make a Flower basket with old newspaper or driftwood and make flowers with tissue paper using any decorative material.	2 marks	Rational Thinking
3	Bottle art decoration with sutali , thread, button & other decorative materials.	2 marks	Creative Skills
4	Toy making with old clothes, wool, coloured thread & decorative materials.	2 marks	Innovative Approach
5	Make a beautiful greeting card and colour it nicely.	2 marks	Presentation Skills



ARMY PUBLIC SCHOOL GWALIOR
CLASS -IX
ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT

Subject: Music

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S.NO	Answer the following question	MARKS 2X5=10	Nature
1.	Write down the names of folk dances of any 10 states.	2	Informative
2	Throw light on the festivals , food, folk dances and tribal culture of Punjab.	2	Understanding
3	Definition of folk dance .	2	Understanding
4	Describe the music of Punjab. .	2	Creative
5	Make a short video (2minute) of any Punjabi folk dance.	2	Analytical skill