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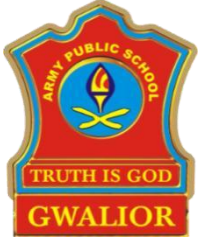
 Stay Safe, Stay Indoors, Follow Covid-19 protocols,

 Avoid any family function, gathering or visiting outstations,

 Stay Happy and Spread Happiness and Hope!
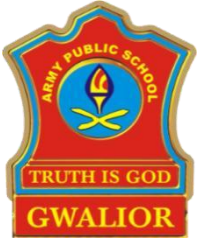
 With kind regards,

 Class Teachers

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

Subject: English

Allotment Date: 03/05/2021

Assignment No.: 2

Submission Date: 01/06/2021

S. NO.	QUESTIONS	Marks	NATURE
Q1	1. Write a letter to the SHO of the local Police Station, drawing attention towards some residents of your colony who are repeatedly flouting quarantine rules laid out during the outbreak of the COVID-19 pandemic.	5 Marks	Interdisciplinary
Q2	1. . LETTER TO GOD- There are two types of conflict in this story: between humans and nature and between humans themselves. How are these conflicts illustrated in the story?	5 Marks	Interdisciplinary
Q3	RESEARCH TIME Students are supposed to make research related to the titles of both English Literature Books- Footprints without Feet & First Flight.	5Marks	Creative
Q4.	2. LEARN WITH EASE Make a video (3-4 mints) of your own explaining any one of the following topics: 1. A Letter to God 2. Dust of Snow 3. Fire and Ice **Note:** All the work to be done in English notebook only.	5Marks	Communication

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

Subject: Hindi   **Assignment No.: 2**
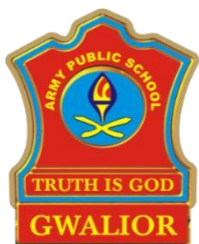**Allotment Date: 03/05/2021**   **Submission Date: 01/06/2021**

क्र0	प्रश्न	अंक	प्रश्न का प्रकार
1.	प्रश्न-1 प्रेमचंद का जीवन अनुशासित था। वे सबेरे उठ जाते थे और नित्यकर्म से निवृत्त होकर एक घण्टे घूमने जाते थे। वे अक्सर स्कूल के अहाते में ही घूम लेते थे। लौटकर वे घर के जरूरी काम निपटाते थे। वे अधिकांश काम स्वयं करते थे। नौकर से अधिक काम लेना उन्हें पसंद न था। अपना बिस्तर स्वयं उठाते अपनी धोती स्वयं धोते। वे अपनी आदत नहीं बिगाडना चाहते थे। उन्हें वह समय याद रहता था कि कभी वे स्वयं पाँच रूपये के नौकर थे। उनका मानना था कि जिस आदमी के हाथ में काम करने के निशान न पड़े हो, उसे खाना खाने का अधिकार नहीं है। वे बकरी के सामने पत्ती तोड़कर डाल देते थे और गाय की सानी भी कर देते थे। कमरे और बरामदे में झाड़ू लगाना, पत्नी के बीमार होने पर खाना बनाना आदि काम प्रायः कर लेते थे। उन्हें प्रातःकाल में लिखना पसंद था। वे समय के बहुत पाबंद थे। समय बरबाद करना वे बहुत बड़ा गुनाह मानते थे। उनका विचार था कि समय की पाबंदी के बिना कोई भी तरक्की नहीं कर सकता है। 1	5	बोधात्मक

	(i) प्रेमचन्द्र का जीवन कैसा था ?　　　　　1		
	(ii)प्रेमचंद जी को क्य पसंद नहीं था ?		
	(iii) प्रेमचंद के अनुसार खाना खाने का अधिकार किसे नहीं है ?　　　　　1		
	(iv) उन्हें प्रातः काल में क्या पसंद था?　　　　1		
	(v) समय बरबाद करने को वे क्या मानते थे?　　　1		
2.	प्रश्न-2 बैंक मैं खाता खोलने के लिए बैंक-मैनेजर के नाम पत्र लिखिए ।	5	ज्ञानात्मक
3.	प्रश्न 3 निम्नलिखित प्रश्नों के उत्तर दीजिये (i) शब्द किसे कहते हैं और शब्द कब पद बन जाता है? उदाहरण सहित लिखिये।　　　　　2 (ii) मेरी बेटी खाते खाते खेलती है ? (पदबंध का प्रकार बताइये।)　　　　　1	5	रचनात्मक

	(iii) श्याम का बड़ा भाई रमेश कल आया था (संज्ञा पंध छाटिये) 1		
4.	प्रश्न-4 निर्देशानुसार वाक्य परिवर्तित कीजिए ? (i) पिताजी ने मुझे पढ़ाकर सेना में भर्ती कराया (वाक्य का प्रकार बताइये) 1 (ii) माताजी ने गीत गाया और दादी झूमने लगी। (इस वाक्य को मिश्र वाक्य में लिखो।) 1 (iii) धनी होने पर भी वह सुखी नहीं है (संयुक्त वाक्य में लिखो।) 1	5	सूचनात्मक
	प्रश्न-5 निम्नलिखित रिक्त स्थानों को उचित मुहावरों द्वारा पूरा कीजिये। **(i) जब छोटा भाई पास हो गया और बड़ा भाई फेल तब**		

छोटे भाई के मन में आया................ले लूं।	1	
(ii) कक्षा दसवीं को पास करना तो मेरे लिये।	1	
(iii) जब मेरी जमात में आओगे तो.........आ जायेंगे।	1	

ARMY PUBLIC SCHOOL GWALIOR
CLASS -X
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	Without actually performing the long division, find 987/ 10500 will have terminating or non-.terminating repeating decimal expansion. Give reason for your answer.	1	Understanding
2	Can two numbers have 18 as their HCF and 380 as their LCM? Give reason.	1	Application
3	The LCM of two numbers is 14 times their HCF. The sum of LCM and HCF is 600. If one number is 280, then find the other number.	1	Understanding
4	If the sum of zeroes of the quadratic polynomial $3x^2 - kx + 6$ is 3, then find the value of k.	1	Interdisciplinary
5	Find the condition that zeroes of polynomial $p(x) = ax^2 + bx + c$ are reciprocal of each other.	1	Analytical Skill
6	There is a circular path around a sports field. Sonia takes 18 minutes to drive one round of the field, while Ravi takes 12 minutes for the same. Suppose they both start from the same point and at the same time, and go in the same direction. After how many minutes will they meet again at the starting point?	2	Critical Thinking and Problem Solving
7	What must be subtracted from the polynomial $f(x) = x^4 + 2x^3 - 13x^2 - 12x + 21$ so that the resulting polynomial is exactly divisible by $x^2 - 4x + 3$?	2	Application
8.	Show that $(\sqrt{5} - \sqrt{3})^2$ is an irrational number.	3	Analytical Thinking

9	.To Verify a Pythagoras Theorem (ACTIVITY 1 ,do it in lab maual activity file)	3	LAB ACTIVITY
10	**CASE STUDY QUESTIONS**	1X5	Interdisciplinary

Application of Parabola – Suspension Bridge if the roadway of a suspension bridge is loaded uniformly per horizontal metre, the suspension cable hang in the form of arcs which closely approximate to parabolic arcs. Therefore, Parabolic arcs are used in suspension cable bridge construction.

Parabola : A parabola is the graph that results from $p(x) = ax^2 + bx + c$.
Parabolas are symmetric about a vertical line known as the Axis of symmet

(a)	Find a quadratic polynomial whose zeroes are 1 and -2 (i) $x^2 - x + 2$ (ii) $x^2 + x + 2$ (iii) $x^2 - x - 2$ (iv) $x^2 + x - 2$	1
(b)	Find the number of polynomials having zeroes as -3 and 7 (i) More than 3 (ii) one (ii) Two (iv) Zero	1
(c)	Graph of a quadratic polynomial is a : (i) straight line (ii) Ellipse (iii) parabola (iv) spiral	1
(d)	If the suspension cable of a bridge hangs in the form of arcs, is represented by $x^2 - 2x - 3$, then its zeroes are : (i) (-1,5) (ii) (-1,3) (iii) (3,5) (iv) (-4,2)	1
(e)	The number of zeroes that polynomial $p(x) = x^3 - 4x$ can have is (i) 2 (ii) 1 (iii) 3 (iv) 0	1
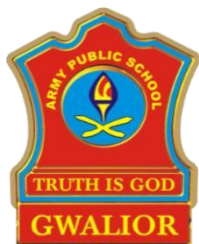
ARMY PUBLIC SCHOOL GWALIOR
CLASS -X
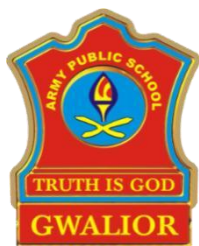## ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT

Subject: Science   **Assignment No.: 2**
Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

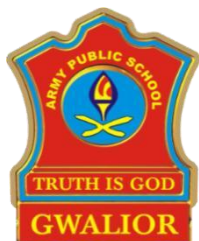| S. NO.	QUESTIONS	MARKS	NATURE
1	Q1. Give two examples of fossil fuel. Q2. Name the raw material used in Thermal Power Plant. Q3. What is combination reaction?	1 1 1	Information
2	Q4. What is Coliform? Q5. Why is mining a big source of pollution? Q6. Write any two advantages and any two disadvantages of Thermal Power Plants.	1 1 2	Understanding
3	Q7. Show that combination reaction is opposite to decomposition reaction? Q8. Why are fossil fuels considered as a necessary evil. Explain.	2 3	HOT
4	Q9. Give example of any three metals fro your daily life, which show corrosion? Q10. Prepare a presentation on Ganga Action Plan. It can be a PowerPoint Presentation also.	3 5	Interdisciplinary

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

Subject: Social Science
Allotment Date: 03/05/2021

Assignment No.: 2
Submission Date: 01/06/2021

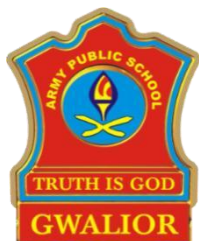| S. NO.	QUESTIONS	MARKS	NATURE
1	Find out more about nationalist symbols in countries outside Europe. For one or two countries , collect information about examples of pictures, posters or music that are symbols of nationalism. How are these different from European examples?	5	Information
2	a) Prepare a list of resources found in your state and also identify the resources that are important but deficit in your state. b) What resources are being developed in your surroundings by the community/ village panchayats / wards level communities with the help of community participation?	5	Understanding
3	Find out and write any one story prevalent in your region which is about the harmonious relationship between human beings and nature.	5	Information
4	Read any news paper for one week and identify the news related to current Scenario of pandemic and write causes and safety measures to combat the situation.	5	Critical Thinking

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

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) Server (ii) Log On and Log Off (iii) NIC (iv) Computer Network	4 x ½ =02	Information
2	Answer the following questions:- . (i) Write any two differences between Peer to Peer networking and Client Server Networking. (ii) Write any two advantages of connecting computers into networking. (iii) Name any two types of cables used for networking. (iv) Write any two advantages of Wireless LAN.	4x1=4	HOT
3	Write the process to access files on other computers in a network using windows.	1 X 2= 2	Understanding
4	(i) To connect three Computers in a room using wires, what hardware component do you need? (ii) To connect three Computers in a room wirelessly, what hardware component do you need?	1x2 = 2	Critical Thinking and Problem Solving

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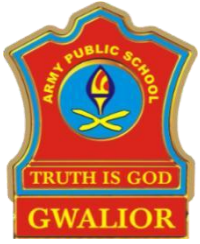# ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT

Subject: Health and Physical Education   **Assignment No.: 2**
Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

S. NO.	QUESTIONS	Marks	Nature
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 *Asanas* 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

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

Subject: Work Education   **Assignment No.: 2**
Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

S. NO.	QUESTIONS	Marks	NATURE
Q1	Draw a beautiful landscape on A4 size paper in which you have to show Baseline, Horizontal Line and Perspective.	5 Marks	Critical Thinking
Q2	Colour the landscape by using Water colours /Pencil colours	5 Marks	Creative
Q3	NOTE- Look at the image for the help and draw different landscape by your imagination.		Imaginative
.			

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