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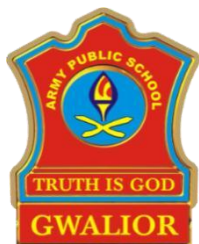
Stay Safe, Stay Indoors, Follow Covid-19 protocols,

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 -XII
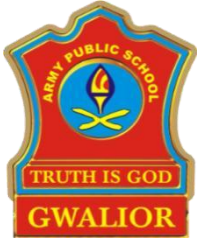## ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT

Subject: English

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S. NO.	QUESTIONS	MARKS	NATURE
1	You are Rani/Raj, Secretary , Health Club National Public School ,Ram Nagar .You find that after lunch break the school playground and verandas are littered with rappers ,paper/polythene bags ,etc. Write a notice in about 50 words advising students to refrain from doing so.	3	Information
2	Read the extract given below and answer the questions that follow. " ……..Wan ,pale As a late winter's moon and felt that old Familiar ache , my childhood fear, But all I said was ,see you soon Amma, All I did was smile and smile and smile……" a)Who looked wan and pale ?	1x3=3	Understanding

	b) Which figure of speech has been used in the extract ? c) What was the old childhood fear of the poetess ?		
3	'Lost Spring 'explains the grinding poverty and traditions that condemn thousands of people in a life of abject poverty. Do you agree ? Why/ Why not?	5	HOT
4	.Answer the following questions in 30-40 words (any two) a.)Why are the young trees described as 'sprinting'? b.)What was unusual about M Hamel's dress on his last day in the school? c.)Justify the title 'Lost Spring'. d.)Why was the third level different from other two levels? e)What was the plight of Mukesh's father?	2x2=4	Evaluation
5	Compare the interweaving of reality and fantasy in 'The Adventure' written by Jayant Narlikar and ' The Third Level' written by Jack Finney.	5	Analytical Skill

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

Subject: Hindi   **Assignment No.: 2**

Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

क्र०	प्रश्न	अंक	प्रश्न का प्रकार
1.	किसी महाविद्यालय में व्याख्याता पद के लिए आवेदन-पत्र दीजिए। अपने विद्यालय के प्रधानाध्यापक को निर्धन छात्र कोष से छात्रवृत्ति हेतु आवेदन-पत्र लिखिए।	5	बोधात्मक
2.	निम्नलिखितविषय पर फीचर लिखिए । 1. नींद क्यूँ रात भर नहीं आती’ 2. पर्यटन के महत्त्व पर एक फीचर लिखिए।	5	ज्ञानात्मक
3.	**अनुच्छेद लेखन -** **निम्नलिखित विषय पर अनुच्छेद लिखिए -** 1. ग्लोबल वार्मिंग-मनुष्यता के लिए खतरा 2. बच्चों की शिक्षा में माता-पिता की भूमिका	5	रचनात्मक

4.	हिंदी परियोजना कार्य - इंसानी लालच और स्वार्थ ने प्रकृति का विनाश किया है। इस कथन के पक्ष में अपने विचार प्रकट कीजिए।	5	सूचनात्मक

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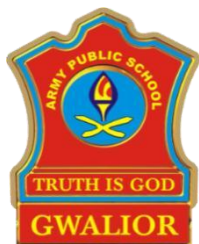## SUMMER VACATION ASSIGNMENT

Subject: Mathematics　　　　　　　　　　　　**Assignment No.: 2**

Allotment Date: 03/05/2021　　　　　　　　　**Submission Date: 01/06/2021**

S. NO.	QUESTIONS	MARKS	NATURE
1	Let $\begin{vmatrix} 6i & -3i & 1 \\ 4 & 3i & -1 \\ 20 & 3 & i \end{vmatrix} = x + iy$, find x and y. (a) x = 3, y = 1　　　　　　　(b) x = 0, y = 0 (c) x = 0, y = 3　　　　　　　(d) x = 1, y = 3	1	HOT
2	If A $= \begin{bmatrix} \alpha & 0 \\ 1 & 1 \end{bmatrix}$, and B$= \begin{bmatrix} 1 & 0 \\ 5 & 1 \end{bmatrix}$ then the value of α for which A^2=B: (a)1　　　　　(b)-1　　(c) 0　　(d) no real values	1	HOT
3	If A and B are two matrices of order n$\times n$ such that A^2-B^2 = (A-B)(A+B) then which of the following will be always true: (a) AB = BA　　　　　　　(b) A = B (c) either of A or B is a zero matrix (d) either of A or B is an identity matrix	1	HOT
4	If A $= \begin{bmatrix} \alpha^2 & 5 \\ 5 & -\alpha \end{bmatrix}$ and $|A^{10}|$ =1024, then α is: (a)-3　　(b) 3　　(c) 2　　(d)-2	1	HOT
5	If A^2-A+I=0, then inverse of A is: (a)A+I　(b)A　　(c)A-I　(d)I-A	1	HOT

6	Prove that: $\begin{vmatrix} 1 & a & a^2 - bc \\ 1 & b & b^2 - ac \\ 1 & c & c^2 - ab \end{vmatrix} = 0$	2	HOT
7	If -9 is the root of the equation $\begin{vmatrix} x & 3 & 7 \\ 2 & x & 2 \\ 7 & 6 & x \end{vmatrix} = 0$, then find other roots.	2	HOT
8	If $\begin{vmatrix} x^2 + x & x + 1 & x - 2 \\ 2x^2 + 3x - 1 & 3x & 3x - 3 \\ x^2 + 2x + 3 & 2x - 1 & 2x - 1 \end{vmatrix}$ =Ax-12 , then find A.	3	HOT
9	If A = $\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 1 \\ 0 & -2 & 4 \end{bmatrix}$ and I = $\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$, $A^{-1} = \frac{1}{6}$ (A^2+c A+d I) where c and d ∈ R, then find the pair of values c and d.	3	HOT
10	**Case Study Based Question:** Stay safe by taking some simple precautions, such as physical distancing, wearing a mask, especially when distancing cannot be maintained, keeping rooms well ventilated, avoiding crowds and close contact, regularly cleaning your hands, and coughing into a bent elbow or tissue. Apart from these measures, it is also advisable to take proper diet, which is to be made of three foods A,B,and C containing nutrients P,Q,R as shown below: How to form a balance diet, which will have 8 grams of P, 5 grams of Q and 7 grams of R?	5	HOT

For question 10, the embedded table:

Food	Grams per kg of nutrient		
	P	Q	R
A	1	2	5
B	3	1	1
C	4	2	1

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

Subject: Biology   **Assignment No.: 2**

Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

S. NO.	QUESTIONS	MARKS	NATURE
1	What is life span? Why do we say there is no natural death in case of single cell organisms.	01	Information
2	Find out the life span period of the following animals with the help of internet : i. Parrot ii. Crow iii. Butterfly iv. Crocodile v. Dogs. vi. Horse	02	
3	Define asexual reproduction and clone separately.	01	Understanding
4	Name any four units of vegetative propagation	01	
5	With the help of internet find out the benefits of TISSUE CULTURE.	02	HOT
6	Find out the definition of following terms: i. Geitonogamy ii. Coleoptile iii. Palynology	02	

	iv. Scion Stock		
7	.Which technique is used in the field of agriculture for propagating improved varieties of mango and rose	01	Interdisciplinary
8	Describe the differences between apomixis and parthenocarpy.	02	Analytical Skill
10	What is sexual reproduction? Describe common types of sexual reproduction met within animals. What is its significance?	02	Critical Thinking and Problem Solving
11	Test tube baby is a boon to a woman who cannot conceive normally. Explain the procedure involve.	01	Evaluation
11	Write a note on puberty or artificial insemination.	02	

12	Draw a well labelled diagram of the following
	
	  I. Male reproductive system.
	
	  II. II. T.S. of Human Testies
	
	  III. III. Human sperm
		03	Communication Skills

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

Subject: Chemistry   **Assignment No.: 2**

Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

S. NO.	QUESTIONS	MARKS	NATURE
1	What type of solution is oxygen in water?	1	Information
2	Identify the colligative property- i.Elevation of boiling point ii.Solubility	1	Understanding
3	Write down formula to calculate molarity.	1	Information
4	Define solubility with example.	1	Information
5	Write any two conditions for a solution to be ideal.	1	Information
6	Mention any two applications of Henrys law.	2	Analytical
7	How reverse osmosis is useful in purification of water ? Draw diagram also.	2	HOT
8	18 g of glucose,$C_6H_{12}O_6$ is dissolved in 1 kg of water in a saucepan.At what temperature will water boil at 1.013 bar? Kb for water is 0.52 K kg/ mol	3	HOT
9	If NaCl is dopped with 10^{-3} mol% of $SrCl_2$.What is concentration of cation vacancies	3	HOT
10	Explain the following with suitable example and graphs- i. Positive deviation from Raoult's law ii. Negative deviation from Raoult's law	5	Interdisciplinary

Subject: Physics   **Assignment No.: 2**

Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

S. NO.	QUESTIONS	MARKS	NATURE
1	Name a mirror that can give an erect and enlarge image of an object.	1	Interdisciplinary
2	Which mirror is used as rear –view mirror in automobile to see traffic behind and why?	1	Information
3	The refractive index of diamond is 2.42.What is the meaning of this statement?	1	Understanding
4	Name the point inside the lens through which a Ray of light goes undeviated?	1	Interdisciplinary
5	What will happen to ray of light when it travels from rarer medium to a denser medium.	1	Analytical Skill
6	Define :i) centre of curvature ii)pole iii)focal length iv) optical centre v)principal focus vi)aperture	2	Communication skill
7	An object of size 10cm is placed at 40 cm in front of a concave mirror of focal length 18 cm. At what distance from the mirror should a screen be placed, so that a sharp focused image can be obtained? Find the size and nature of the image	2	Evaluation
8	A ray of light is incident on a glass prism of refractive index µ and refracting angle 'A'. If it just suffers total internal reflection at the other face, obtain an expression relating the angle of incidence, angle of prism and critical angle.	3	HOTS

S. NO.	QUESTIONS	MARKS	NATURE
9	A doctor has prescribed a corrective lens of power +1.5D.Find the focal length of the lens. Is the prescribed lens diverging or converging?	3	Analytical Skill
10	Plot a graph to show the variation of the angle of deviation as a function of angle of incidence for light rays passing through a prism. Write the relation for the refractive index of the prism in terms of the angle of minimum deviation and the angle of the prism	5	Evaluation

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

Subject: Accountancy   **Assignment No.: 2**

Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

S. NO.	QUESTIONS	MARKS	NATURE
1	Neptune Ltd. has the following balances on 1st April 2018: General reserve 4,50,000 Statements of P&L 2,00,000 During the year ended 31st March 2019, it incurred a loss of .3,20,000/-. How would you show these items in the Balance Sheet and notes to accounts?	1	Knowledge
2	If the operating cycle is given for 12 months and the payment cycle for trade payables is 15 months, how will you classify the liability?	1	Knowledge
3	When an analyst analysis the financial statements of an enterprise over a number of years, the analysis is called: a) Static b) External c) Horizontal d) Vertical	1	Remembering
4	Briefly explain the interest of Investor and Management in the analysis of Financial Statements	3	Knowledge and Reasoning
5	Prepare a common size Balance Sheet of L.X. Ltd. from the following information :	4	Problem Solving

Question 5 table:

Particulars	Note No.	31.3.2019 ₹	31.3.2018 ₹
I – Equity and Liabilities :			
1. Shareholder's Funds		20,00,000	10,00,000
2. Non-Current Liabilities		20,00,000	5,00,000
3. Current Liabilities		10,00,000	5,00,000
Total		50,00,000	20,00,000
II – Assets :			
1. Non-Current Assets		30,00,000	12,50,000
2. Current Assets		20,00,000	7,50,000
Total		50,00,000	20,00,000

6	From the following information, prepare Comparative Statement of Profit and Loss :	4	Problem Solving

Particulars	31.3.2018 ₹	31.3.2019 ₹
Revenue from operations	4,00,000	3,00,000
Other Income	80,000	40,000
Expenses – 50% of Revenue from operations		
Income Tax Rate	40%	40%

7		6	Knowledge and understanding
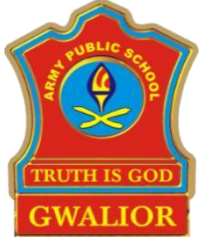
ARMY PUBLIC SCHOOL GWALIOR
CLASS -XII
ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT

Subject: Business Studies   **Assignment No.: 2**

Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

S. NO.	QUESTIONS	MARKS	NATURE
1	Explain how management helps in development of society.	1	Understanding
2	How does coordination integrate group efforts? State.	1	Understanding
3	Give one point of difference between Principle and Values.	1	Understanding
4	Distinguish between 'Time Study' and 'Motion Study'.	3	Understanding and analyzing
5	Dheeraj is working as 'Operations Manager' in Tifco Ltd. Name the managerial level at which he is working. State any three functions he will perform as 'Operations Manager' inn his company.	4	Understanding
6	"Coordination is the orderly arrangement of group efforts to provide unity of action in the pursuit of common purpose." In the light of this statement, explain the nature of coordination.	4	Understanding and remembering
7	Fayol and Taylor both have contributed immensely to the knowledge of management, which has become a basis for further practice by managers. Taylor thought that by scientifically analysing work it would be possible to find 'one best way' to do it. He is most remembered for his time and motion studies and functional foremanship. He said that the best result would come from the partnership between a trained and qualified management and a cooperative and innovative workforce. Fayol explained what amounts to a manager's work and what principles should be followed in doing this work. In the light of the above discussion, differentiate between the	6	Reasoning

	contribution of Taylor and Fayol on the following basis: (a) Perspective (b) Unity of command (c) Focus (d) Expression (e) Applicability (f) Basis of formation		
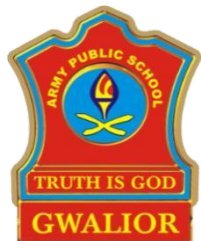
ARMY PUBLIC SCHOOL GWALIOR
CLASS -XII
ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT

Subject: Economics　　　　　　　　　　　　　**Assignment No.: 2**

Allotment Date: 03/05/2021　　　　　　　　　**Submission Date: 01/06/2021**

S. NO.	QUESTIONS	MARKS	NATURE
1	Problem of double counting can be avoided by using: (a) Final output method (b) Valued added method (c) Both (a) and (b) (d) Neither (a) nor (b)	1	Information
2	Own account production of goods is included in national income because: (a) Goods are tangible (b) Their valuation is possible (c) Goods are more productive than services (d) None of these	1	Understanding
3	Which of these are not included in inventory investment? (a) Change in stock of finished goods (b) Change in stock of semi-finished goods (c) Change in stock of raw material (d) Change in sales during the year	1	HOT
4	Gross Domestic Capital Formation is the sum total of: (a) Expenditure on fixed assets (b) Gross domestic fixed capital formation and change in stock (c) Net domestic fixed capital formation + inventory+ depreciation (d) Both (a)and (b)	1	Interdisciplinary
5	Define Transfer payment. Which of the following is not a Transfer payment? Give reason. (a) Interest on national debt (b) Retirement pensions (c) Old-age pensions (d) Donations	3	Analytical Skill
6	Giving reason, explain the treatment assigned to the following while estimating National Income. (a) Subsidy on the wheat produced (b) Contribution to provident fund by the employees (c) Contribution to the provident fund by the employers	3	Critical Thinking and Problem Solving
7	How can estimates of GDP using Income method and Expenditure method be identical when households do not spend their entire income on the purchase of goods and services, and a part of them remain unsold during an accounting year?	4	Evaluation

8	Calculate 'National income'.			6	Problem solving
	S.No.	Items	Rs. In crore		
	1	Personal tax	80		
	2	Private Final Consumption Expenditure	600		
	3	Undistributed profits	30		
	4	Private income	650		
	5	Government Final Consumption Expenditure	100		
	6	Corporate tax	50		
	7	Net domestic Fixed Capital Formation	70		
	8	Net indirect tax	60		
	9	Depreciation	14		
	10	Change in stocks	(-)10		
	11	Net imports	20		
	12	Net Factor income to abroad	10		
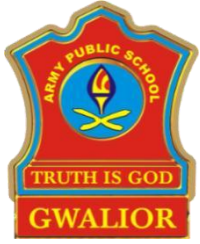
Subject: History   **Assignment No.: 2**

Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

S. NO.	QUESTIONS	MARKS	NATURE

1	Part- A
	Answer the following objective type questions:
	
	(a) The number of signs of Harappan Script are:
	  a) 500-700
	  b) 375-400
	  c) 200-300
	  d) 300-350
	(b) Which artefacts from the following belong the Harappan civilization:
	  a) Beads
	  b) Weights
	  c) Baked bricks
	  d) All the above
	(c) Harappen Weights were made of a stone called:
	  a) Chert
	  b) Polished stone
	  c) Terracotta
	  d) Steatite
	(d) The owner, master, or head of a household, who keep the control over the women, children, slaves etc. Who shared a common shelter/residence was known as -------------.
	(e) Harishacharitra had been written by----------.
	  a) Banabhatta
	  b) Kautilya
	  c) Abul Fazal
	  d) None of the Above
		(5x1=5)	Informative

2	Activity- 1 (Ch.1, Theme-1) Prepare a report on Indian Architecture developments during the Harappan Civilisation based on the following headings: 1. Planned City 2. The Lower Town and Citadel 3. Drainage System	5	Exploratory

	4. The Warehouses (Granaries) 5. The Great Bath		
3	Activity- 2 (Ch. 2, Theme-1) Collect five different kinds of currency notes and coins in circulation today. For each one of these, describe what you see on the obverse and the reverse (the front and the back). Prepare a report on the common features as well as the differences in the terms of pictures, scripts and languages, size, shape and any other element that you find significant. Compare these with the coins shown in the chapter-2 (Theme-I), identifying the materials used, the techniques of minting, the visual symbols and their significance and the possible functions that coins may have had.	**5**	Exploratory

4	Activity- 3
	(Ch.1st and 2nd, Theme- 1)
	On the political map of India mark and label the given Harappan sites and the Mahajanapadas.
	Harappan sites: (Ch-1)
	    a) Balakot
	    b) Nagesher
	    c) Rakhigarhi
	    d) Kalibangan
	    e) Chanhudaro
	Mahajanpadas: (Ch-2)
	    a) Vajji
	    b) Magadha
	    c) Koshala
	    d) Kuru
	    e) Avanti
		2.5+2.5=5	Identification

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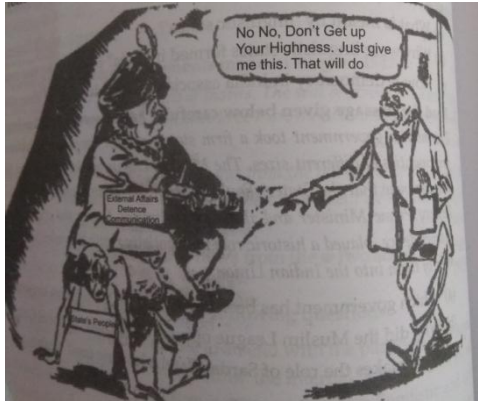# CLASS -XII
ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT

Subject: Political Science

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Objective Type Questions: (a) Cold war means: 　i.　Hot War 　ii.　Direct War 　iii.　Superpower rivalry 　iv.　Tension between superpowers (b) NIEO aimed for: 　i.　Fair information order 　ii.　Fair Global order 　iii.　Fair Economic order 　iv.　Fair International order (c) Which among the following statements does not reflect the objectives of NAM? 　i.　Enabling newly decolonised countries to pursue independent policies 　ii.　Not joining any military alliances 　iii.　Following a policy of 'neutrality' on global issues 　iv.　Focus on elimination of global economic inequlities. (d) Soviet Union collaped in: 　i.　1991 　ii.　1992 　iii.　1993 　iv.　1994 (e)　Arrange the following in a chronological order: 　i.　Soviet invasion of Afghanistan 　ii.　Fall of the Berlin Wall 　iii.　Disintegration of the Soviet Union 　iv.　Russian Revolution	(5x1=5)	Informative
2	Activity- 1 (Ch. 1, Part- I) Arms Control acted as a deterrent in the Cold War period. Though Cold War has come to an end, deterrence has still maintained peace in the world. Find out 2 such cases and	5	Exploratory

	prepare a report.			
3	Activity- 2 (Ch. 2, Part -1) Gather information on India's relation with USA. Do you think India should improve its relations with USA so that it does not need help of Russia. Make a report.	**5**		Exploratory
4	Activity- 3 (Ch.1, Part- II) Study the following cartoon carefully and answer the questions that follow: a) Identify the name and leader shown on the right in the cartoon. b) What type of relationship does the cartoon indicate between the people and ruler? c) In your opinion, how successful was the approach adopted by the leader on the right to solve the issue of princely states?	**1+1+3=5**		Analytical

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CLASS -XII
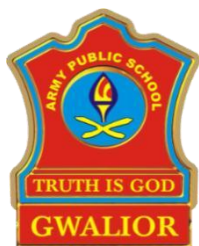## ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT

Subject: Physical Education

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S.NO.	QUESTIONS	MARKS	NATURE
Part-A	1) Which of the following is not a minerals? I) Fluorine II) Niacin III) Sodium IV) Phosphorus 2) Which of the following is known or called Pyridoxine? I) Vitamin B1 II) Vitamin B2 III) Vitamin B3 IV) Vitamin B6 3) What is Bye? I) It's a method of drawing fixture. II) Point system for team games. III) Advantage given to a team to not play in initial round. IV) Placing of teams according to previous performance. 4) The competitions organised outside the boundary wall of an institution are called …………….. . I) Intramural II) Combination III) Extramural IV) All of these	1X4=4	Remembering
Part-B	**Following questions in 60 to 90 words:**		
1.	Discuss briefly about the various food myths.	2	Understanding
2.	Your School is organising " Run for Unity", explain the responsibilities of publicity and technical committee.	2	Application
3.	Discuss any four pitfalls of dieting.	2	Understanding
Part-C	Answer the following question in 150 to 180 words		
1.	Are food supplements essential for children who participate in Sports? Give your views.	5	Understanding
2.	Prepare a 'knock-out fixture' of 21 teams.	5	Knowledge

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

Subject: General Studies   **Assignment No.: 2**

Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

S. NO.	QUESTIONS	MARKS	NATURE

1	Objective Type Questions:
	
	 (1) World Health Organisation on 11 February, 2020 announced an official name for disease that is causing the 2019 novel coronavirus outbreak? What is the new name of the disease?
	    a) COVID-19
	    b) COVn-19
	    c) COnV-20
	    d) COnVID-19
	 (2) As per the recent study by NASA and German Aerospace Center, some microbes are found on the Earth may survive in which planet?
	    a) Jupiter
	    b) Venus
	    c) Mars
	    d) Mercury
	 (3) What is the secret code written in the parachute of the NASA's Perseverance rover?
	    a) Hello Red Planet
	    b) Perseverance
	    c) Dare Mighty Things
	    d) Journey to Mars
	 (4) How many satellites were launched by the ISRO using its PSLV- C51 rocket?
	    a) 12
	    b) 16
	    c) 19
	    d) 23
	 (5) In India, when did the second phase of COVID-19 vaccination start?
	    a) December 2020
	    b) January 2021
	    c) February 2021
	    d) March 2021
		5x1=5	Informative

2	The quality of higher education in India requires major improvements to make it internationally competitive. Do you think that the entry of foreign educational institutions would	2.5	Understanding

	help improve the quality of higher and technical education in the country. Discuss.		
3	Terrorist activities and mutual distrust have clouded India-Pakistan relations. To what extent the use of soft power like sports and cultural exchanges could help generate goodwill between the two countries? Discuss with suitable examples.	**2.5**	Understanding

Note: Take the help of internet to solve the MCQs.

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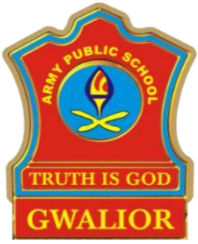# ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT

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

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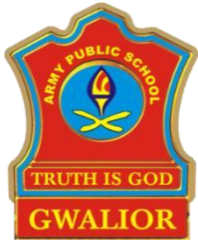# ACADEMIC SESSION 2021-22
SUMMER VACATION ASSIGNMENT

Subject: Painting

Assignment No.: 2

Allotment Date: 03/05/2021

Submission Date: 01/06/2021

S.NO	QUESTIONS	MARKS	NATURE
1	Write a brief note on the Rajasthani Painting "CHAUGAN PLAYERS."	5	Knowledge
2	What is "Miniature Painting"? Explain	5	Understanding
3	Practical Work- Draw a composition on topic "RAILWAY STATION" by using water/poster colours. (Half imperial sheet)	5	Imaginative
4	Draw any one Object drawing by using poster/pencil colours. (Half imperial sheet)	5	Observation

Subject: Work Education   **Assignment No.: 2**

Allotment Date: 03/05/2021   **Submission Date: 01/06/2021**

S. NO.	QUESTIONS	MARKS	NATURE
Q1	Make a beautiful of Warli Art living room wall art by using Card sheet/Old marriage card.	5 Marks	Imaginative
Q2	Colour the WALL ART by using Poster colours /Pencil colours	5 Marks	Observation
	NOTE-Look at the image and make the same		Understanding