



ARMY PUBLIC SCHOOL GWALIOR



CLASS -X

ACADEMIC SESSION 2021-22

SELF ASSESSMENT

Subject: English

Assignment No. : 1

Allotment Date: 18 April 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Write a letter to Delhi Sports, Daryaganj, New Delhi, placing an order for sports articles to be supplied to your school. Sign as sports secretary.	[5]	Information
2	Answer in brief- Q 1-“But if it had to perish twice”. Why does the poet use it in the quotation? Q2- What do ‘fire’ and ‘ice’ stand for?	(4)	Communication Skill
3	How is the title of the story ‘A Letter to God’ apt or suitable? Or What makes Lencho write a letter to God? What was its outcome?	[5]	HOT
4	Fill in the blank with the correct form of verbs: The bell _____ (ring) after fifteen minutes. The whole school _____ (crowd) into the hall. There was joy in every face and good-fellowship in every word. Even the teachers _____ (try) to be familiar and pleasant. When Ebenezar saw Mani, he asked: “Hello, blockhead, how are you _____ (go) to waste your vacation?”	[4]	Interdisciplinary
5	Make meaningful sentences- a) will/they/for/misbehaviour/their/apologise b) dessert/she/rasgulla/eating/for/likes c) piece/music/lovely/of/what/a d) principles/with/he/people/high/respects	[4]	Analytical Skill

<p>6</p>	<p>7. Read the extract and answer the following.</p> <p>The way a crow Shook down on me The dust of snow From a hemlock tree</p> <p>a) Name the poem and the poet b) What kind of experience does a poet reveal here? c) Where was the crow sitting? d) What is unusual in the image used here?</p>	<p>[4]</p>	<p>Understanding</p>
<p>7</p>	<p>Answer the following questions in about 30 to 40 words only.</p> <p>a) Where was the poet in the poem 'Dust of Snow'? In which mood was he? b) How will the world end in the poem "Fire and Ice"? c) How 10 May is an Autumn day in South Africa?</p>	<p>[9]</p>	<p>Evaluation</p>
<p>8</p>	<p>How did Mandela's hunger for freedom change his life?</p>	<p>[5]</p>	<p>Critical Thinking and Problem Solving</p>



ARMY PUBLIC SCHOOL GWALIOR

CLASS -X

ACADEMIC SESSION 2021-22

SELF ASSESSMENT

Subject: Hindi

Assignment No. : 1

Allotment Date: 18 April 2021

S. No	Questions	Marks	
Q1.	आपके पिताजी का दूसरे शहर में स्थानांतरण हो गया है, आपको भी उनके साथ दूसरे शहर जाना है। प्रधानाचार्य को स्कूल छोड़ने का प्रमाण पत्र देने का अनुरोध करते हुये आवेदन पत्र लिखिये।	5	
Q2.	'कोरोना वायरस' से बचाव' पर एक विज्ञापन तैयार कीजिये।	5	
Q3.	कबीर की उद्धृत साखियों की भाषा की विशेषता स्पष्ट कीजिये।	5	
Q4.	निम्नलिखित शब्दों के प्रचलित रूप लिखिये— जिवै, मॉहि, भुवगंम, नेड़ा , सावण, मुवा, पीव, जालौ।	4	
Q5.	निम्नलिखित मुहावरों का अपने वाक्यों में प्रयोग कीजिये— (i) हाथ फैलाना होना (ii) नौ दो ग्यारह (iii) नाको चने चबाना (iv) आग बबूला होना	4	
Q6.	शब्द किसे कहते है और शब्द कब पद बन जाता है। उदाहरण सहित लिखिये।	2	
Q7.	निम्नलिखित प्रश्नों के उत्तर दीजिये—	10	

	<p>(i) अपने स्वभाव को निर्मल रखने के लिये कबीर ने क्या उपाय सुझाया है?</p> <p>(ii) कबीर के अनुसार मनुष्य को कैसी वाणी बोलनी चाहिये ?</p> <p>(iii) बड़े भाई साहब दिमाग को आराम देने के लिये क्या किया करते थे ?</p> <p>(iv) बड़े भाई साहब छोटे भाई से उम्र में कितने बड़े थे और कौन सी कक्षा में पढ़ते थे ?</p> <p>(v) बड़े भाईसाहब पाठ के आधार पर आज की शिक्षा प्रणाली क्या व्यंग्य किया गया है स्पष्ट कीजिये।</p>		
Q8.	<p>किसी एक विषय पर दिये गये संकेत बिन्दुओं के आधार पर 80–100 शब्दों में अनुच्छेद लिखिये— 05</p> <p>(i) लड़का–लड़की एक समान</p> <p>(a) ईश्वर की देन (b) भेदभाव के कारण</p> <p>(c) दृष्टिकोण कैसे बदलें</p> <p>(ii) शिक्षक–शिक्षार्थी संबंध–</p> <p>(a) संबंधों की परम्परा (b) वर्तमान समय में आया अंतर</p> <p>(c) हमारा कर्तव्य</p>	5	



ARMY PUBLIC SCHOOL GWALIOR



CLASS -X

ACADEMIC SESSION 2021-22

SELF ASSESSMENT

Subject: Mathematics

Assignment No. : 1

Allotment Date: 18 April 2021

REAL NUMBERS AND POLYNOMIALS

S. NO.	QUESTIONS	MARKS	NATURE
1	$99^2 - 69^2$ is (a) prime number (b) a composite number (c) an odd composite number (d) an odd prime number	1	understanding
2	\sqrt{p} is rational if p is (a) 15 (b) 16 (c) 8 (d) 12	1	application
3	$0.\overline{65} + 0.\overline{47}$ is = (a) $1.\overline{13}$ (b) $1.\overline{12}$ (c) $1.\overline{112}$ (d) none of these	1	understanding
4	If p/q is rational number, then it will have terminating decimal only when prime factors of q are (a) 2's and 3's (b) 3's and 5's (c) 2's and 5's (d) 2's 3's and 5's	1	Interdisciplinary
5	$\sqrt{11}$ is (a) a rational number (b) an irrational number (c) not a real number (d) terminating decimal	1	Analytical Skill
6	The largest number which divides 70 and 125 leaving remainders 5 and 8 respectively is (a) 13 (b) 65 (c) 875 (d) 1750	1	Critical Thinking and Problem Solving

7	A polynomial of degree n has. (a) Only real zero (b) exactly n real zero (c) at most n real zero(d) more than n real zeroes	1	Evaluation
8.	How many polynomial are there having 4 and -2 as zeroes? (a) one (b) two (c) three (d) more than three	1	Analytical Thinking
9	If α, β are the zeroes of the polynomial $f(x)=x^2+x+1$, then $1/\alpha + 1/\beta =$ (a) 1 (b) -1 (c) 0 (d) None of the above	1	Understanding
10	If one of the zeroes of the quadratic polynomial $(k-1)x^2+kx=1$ is -3, then the value of k is (a) 4/3 (b) -4/3 (c) 2/3 (d) -2/3	1	Interdisciplinary
11	A quadratic polynomial whose one zero is 4 and product of zero is 0 (a) x^2-4 (b) x^2-4x (c) $5x^2+4$ (d) x^2+4x	1	Interdisciplinary
12.	If α, β are the zeroes of the polynomial $f(x)=x^2-p(x+1)-c$, such that $(\alpha+1)(\beta+1)=0$ (a) 1 (b) 0 (c) -1 (d) 2	1	Application
13	After how many places the decimal expansion of $6137/80$ will terminate.	2	Evaluation
14	Find a cubic polynomial having 1, 2, 3 as its zeroes	2	Analytical Thinking
15.	If the HCF of 75 and 151 is expressed in the form $75n-149$, find the value of n	2	Evaluation
16.	Write down the prime factorization of 3780.	2	Evaluation
17.	Can the number 6^n (n being natural number) end with the digit 5? Give reason.	2	Analytical thinking
18.	If α, β are the zeroes of the polynomial $f(x)=x^2-(k+6)x+2(2k-1)$ Find the value of k if $2(\alpha+\beta)=\alpha\beta$	2	Problem solving

19.	Verify that 2 is a zero of the polynomial. $x^3+4x^2-3x-18$	2	Evaluation
20.	Write a polynomial the product and sum of whose zeroes are $-13/5$ and $-3/5$ respectively	2	Interdisciplinary
21.	Prove that $3-\sqrt{5}$ is an irrational number	3	Critical thinking
22.	Explain why $7 \times 11 \times 13 + 13$ is a composite number.	3	Critical thinking
23.	Find the zeroes of $4\sqrt{5}x^2-17x-3\sqrt{5}$ and verify the relation between the zeroes and coefficient of the polynomial..	3	HOTS
24.	Obtain all other zeroes of $3x^4+6x^3-2x^2-10x-5$ if two of its zeroes are $\sqrt{5/3}$ and $-\sqrt{5/3}$	3	HOTS



ARMY PUBLIC SCHOOL GWALIOR



CLASS -X

ACADEMIC SESSION 2021-22

SELF ASSESSMENT

Subject: Science

Assignment No. : 1

Allotment Date: 18 April 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Q1. State one basic difference between a physical change and a chemical change. Q2. Name any two fossil fuels. Q3. What does the presence of Coliform bacteria in Ganga water indicate?	1 1 1	Information
2	Q4. What is ozone? How and where is it formed in the atmosphere? Explain how it affects an ecosystem? Q5. Write three disadvantages of using fossil fuels. Q6. Define universal indicator. Mention its use.	3 3 3	Understanding
3	Q7. List any three ways in which construction of dams for production of electricity adversely affects the environment of that place. Q8. Translate the following statement into chemical equation and then balance it: Barium chloride solution reacts with aluminium sulphate solution to form a precipitate of barium sulphate and aluminium chloride solution.	3 3	HOT

4	<p>Q9. Why is sustainable management of natural resources necessary? Out of the two-reuse and recycle- which, in your opinion, is better to practise? Give reason.</p> <p>Q10. Differentiate between Biodegradable and Non-biodegradable substances with the help of examples. List two changes in habit that people must adopt to dispose non-biodegradable waste, for saving environment.</p>	3 3	Interdisciplinary
5	<p>Q11. A solution of a substance 'X' is used for white wash. (a) Name the substance 'X' and write its formula. (b) Write the reaction of the substance 'X' with water.</p>	5	Analytical Skill
6	<p>Q12. Traffic jams, outside the school gate was a common sight since most of the students came on their own cars. This became a topic for discussion on every P.T.A meeting. On one such P.T.A meeting, the principle pointed out the examples of four of their teachers who were carpooling for the past several years. She asked the parents to adopt this method to sort out the problem. (i) List two values shown by the teachers mentioned by the principal. (i) Explain two advantages that will occur if more parents emulate the examples of these teachers.</p>	5	Critical Thinking and Problem Solving
7	<p>Q13. " Energy flow in a food chain in unidirectional." Explain how the pesticides enter a food chain and subsequently get into your body. Q14. Distinguish between renewable and non-renewable sources of energy. Also give an example of each of these sources.</p>	3 3	Evaluation



ARMY PUBLIC SCHOOL GWALIOR



CLASS -X

ACADEMIC SESSION 2021-22


SELF ASSESSMENT

Subject: Social Science

Assignment No. : 1

Allotment Date: 18 April 2021

S. NO.	QUESTIONS	MARKS	NATURE		
1	What was Zollverein ?	1	Information		
2	Which one of the following is true regarding how the new artists depicted liberty during the French Revolution? (a) As a female figure with a torch of enlightenment in one hand and the Charter of Rights of Man in the other hand. (b) Blindfolded woman carrying a pair of weighing scales. (c) The gold red and black tricolour. (d) Rays of the rising sun.	1	Understanding		
3	What do you mean by bad land or ravines ?	1	Understanding		
4	Match the following items given in Column I with those in Column II. <table border="1" data-bbox="251 1722 1068 1820"><tr><td>Column I</td><td>Column II</td></tr></table>	Column I	Column II	1	Interdisciplinary
Column I	Column II				

	<p>a) Alluvial Soil</p> <p>b) Black Soil</p> <p>c) Laterite Soil</p> <p>d) Red Soil</p>	<p>Formed by intense leaching due to heavy rain</p> <p>ii) Diffused of iron in crystalline and metamorphic rocks</p> <p>iii) Good for growing cotton</p> <p>iv) Classified as bangar and khadar</p>		
5	<p>Correct the following statement and rewrite it: The system of ' Check and Balance' comes under vertical distribution of power sharing.</p>		1	Critical Thinking and Problem Solving
6	<p>Study the picture and answer the question that follows:</p>  <p>Which of the following aspect best signifies this image of 'Germania'?</p> <p>(a) Heroism and Justice</p> <p>(b) Folk and Cultural Tradition</p> <p>(c) Austerity and Asceticism</p> <p>(d) Revenge and Vengeance</p>		1	Critical Thinking and Problem Solving

7	Define Flora and Fauna.	1	Understanding
8	What is the full form of IUCN.	1	Understanding
9	Which two languages are spoken in Belgium? (a) French and English (b) Dutch and English (c) French and Dutch (d) Dutch and Sinhala	1	Information
10	In the question given below, there are two statements marked as assertion (A) and reason (R) . Read the statements and choose the correct option . Assertion (A) Human activities are responsible for land degradation. Reason (R) Afforestation is the best way to conserve land. (a) Both (A) and (R) are true and (R) is the correct explanation of (A). (b) Both (A) and (R) are true and (R) is not the correct explanation of (A). (c) (A) is true, but (R) is false. (d) (A) is false , but (R) is true.	1	Critical Thinking and Problem Solving
11	Describe how communities have conserved and protected forests and wildlife in India.	3	Information
12	The 1830s were years of great economic hardship in Europe. Explain.	3	Analytical Skill
13	Why is resource planning a complex process?	3	Evaluation
14	What was the reason of Civil war in Sri Lanka? What was its impact on the country?	3	Communication Skills
15	Describe the process of unification of Italy.	5	Information
16	Over a period of time land has degraded up to an extent. Giving examples explain how human activities are responsible for that.	5	HOT
17	Explain how powers were shared between the central and state governments in Belgium to avoid the division of the country.	5	Evaluation
18	On an outline map of India locate and label the following with suitable symbols. (i) Any one state where Alluvial soil is found.	3	Information

	(ii) Any region of Black soil (iii) Area of Arid soil		
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ARMY PUBLIC SCHOOL GWALIOR



CLASS -X

ACADEMIC SESSION 2021-22

SELF ASSESSMENT

Subject: Computer Science

Assignment No. : 1

Allotment Date: 18 April 2021

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>Choose and write the correct option (MCQ):-</p> <p>(i). What plugs in the network card located in every computer connected in LAN?</p> <p>(a) Ethernet cables</p> <p>(b) Switch</p> <p>(c) Hub</p> <p>(d) Port</p> <p>(ii). A port is a :</p> <p>(a) Type of socket where cable plug is inserted.</p> <p>(b) Hub</p> <p>(c) Switch</p> <p>(d) Types of network</p> <p>(iii) MAN stands for :</p> <p>(a) Metropolitan Area Network</p> <p>(b) Metro Area Network</p> <p>(c) Main Area Network</p> <p>(d) Metropolitan Access Network</p>	0.5x5=2.5	Information

	<p>(iv) In which type of network a moving user can connect to a Local Area Network (LAN) through a wireless radio connection?</p> <p>(a) WAN (b) LAN (c) WLAN (d) MAN</p> <p>(v) Which network architecture has nodes connected to each other and does not have servers?</p> <p>(a) WAN (b) MAN (c) Peer-to-peer (d) Client Server Architecture</p>		
2	<p>Write short notes on following-</p> <p>(i) Server (ii) LAN (iii) MAN (iv) WAN (v) Computer Network</p>	5 x 2=10	Analytical Skill
3	<p>Fill in the blanks-</p> <p>(i) A network consists of two or more computers called ____ .</p> <p>(ii) A wireless network interface card bears an _____.</p> <p>(iii) The _____ waves are used to form wireless LANs.</p> <p>(iv) The wireless networking switch is also called an _____.</p> <p>(v) _____ network has nodes connected to each other but does not have servers.</p>	5 x 1=5	Understanding

<p>4</p>	<p>Write True or False against the statements:-</p> <p>(i) The internet is an example of LAN. ()</p> <p>(ii) Log Off will disconnect you from the network and its resources. ()</p> <p>(iii) Having wireless connections in a LAN is not possible. ()</p> <p>(iv) Network Interface Cards are attached to computers, which are part of Network. ()</p> <p>(v) WAN is the acronym of Wings Area Network. ()</p>	<p>5x1=5</p>	<p>Interdisciplinary</p>
<p>5</p>	<p>Answer the following questions -</p> <p>(i) Write any three advantages of connecting computers into a network.</p> <p>(ii) Write any three features of WLL technology.</p> <p>(iii) What is the difference between Peer-to-Peer network and Client/Server network?</p> <p>(iv) Describe different types of cables used in Wired Networking.</p> <p>(v) What is a wireless network? List any three things which are required to set up a wireless computer network.</p>	<p>3x5= 15</p>	<p>HOT</p>
<p>6</p>	<p>Write the steps for accessing files on other computers in a network.</p>	<p>1x2.5=2.5</p>	<p>Critical Thinking and Problem Solving</p>



ARMY PUBLIC SCHOOL GWALIOR



CLASS -X

ACADEMIC SESSION 2021-22

SELF ASSESSMENT

Subject: Health and Physical Education

Assignment No. : 1

Allotment Date: 18 April 2021

S.N	QUESTIONS		MARKS	
1	MCQ 1.Regular exercise causes strock volume to..... a. Increase b. Decrease c. Remain the same d. Stop 2. which of these is a immediate effect of physical exercise? a. Increased Heart Rate b. Increase in aerobic fitness c. Improvement in stamina d. None of these 3. Short term effects of exercise are a. Immediate and long lasting b. Immediate and temporary c. Over a period of time and long lasting d. Over a period of time and temporary 4. During exercise the skin reddens because.... a. Sweat is red b. Capillaries dose to the surface expand to release heat		4×1=4	

	<p>c. The skin is cold</p> <p>d. None of these</p>			
2.	<p>Fill in the blanks</p> <p>1. You should..... before exercising.</p> <p>2. Acutely, exercise increases output and blood pressure.</p> <p>3. is the leading cause of morbidity and mortality worldwide.</p>		3x1=3	
3.	<p>True or False</p> <p>1. Muscle weight more than fat. True/ False</p> <p>2. Maintaining physical fitness requires major Lifestyle changes.</p> <p>3. "No pain, no gain" is a workout myth. True/False</p>		3x1=3	



ARMY PUBLIC SCHOOL GWALIOR

CLASS -X



ACADEMIC SESSION 2021-22

SELF ASSESSMENT

Subject: Work Education

Assignment No. : 1

Allotment Date: 18 April 2021

S. NO.	QUESTIONS	MARKS 10
1.	What is the meaning of Base line?	2
2.	Define Horizontal line.	2
3.	What are the three main visual rules in perspective?	2
4.	Write about colour Perspective in short	2
5.	What is the meaning of Vanishing point?	2



ARMY PUBLIC SCHOOL GWALIOR



CLASS -X

ACADEMIC SESSION 2021-22

SELF ASSESSMENT

Subject: Music

Assignment No. : 1

Allotment Date: 18 April 2021

S. No	MULTIPLE CHOICE QUESTION :-	MARKS
1	Which of the following is the type of classical dance form? a) Kaalbeliya b) Kathak c) Contemporary	2
2	Who is the writer of story " letter to the God "? a) MORPURGO b) DEBORAH COWLEY c). G L Fuentes	2
3	" Satkriya " is the type of which dance form ? a) Classical b). Folk c). Western	2
4	Which of the following shastra is written by Arya Bhartmuni? a). Samaj Shastra b) Natya Shastra. c). Darshan shastra	2
5	The farmer writes letter to _____ a). his relatives b). his wife c) the God	2