

ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: English

Assignment No. : 3

Allotment Date: 20 July 2023

S.NO	QUESTIONS	MARKS	NATURE
01	What was the young seagull's experience during his first flight?	5	Information
02	Who do you think helped the narrator to reach safely? Discuss this among yourselves and give reasons for your answer.	5	HOTS
03	Anne believed that paper has more patience than people. She could confide more in her diary than in people.	5	HOTS
04	<p><u>Read the following extract and answer the questions that follow</u></p> <p>:</p> <p>They looked like black mountains standing in front of me across the sky. I knew I could not fly up and over them, and I did not have enough fuel to fly around them to the north or south.</p> <p>(a) What are 'they' here? (b) Explain the figure of speech used in the above extract. (c) How do the black clouds look like? (d) He took the risk of flying his Dakota because he.....</p>	5	Analytical Skills

05	<p>Read the extract and answer the following questions:</p> <p>What is the boy now, who has lost his ball, What, what is he to do? I saw it go Merrily bouncing, down the street, and then Merrily over- there it is in the water!</p> <p>(a) What has the poet seen? (b) How is the ball a great loss to the boy? (c) Where did the ball go down? (d) Having lost the ball, how does the boy feel?</p>	5	Critical Thinking and Problem Solving

06	<p>The following paragraph has not been edited. There is one error in each line. Write the error as well as the correction.</p> <p>For the rest of the day, he behaved very well, (a)..... </p> <p>Eating all his food, standing on one position,(b)..... </p> <p>Not attempting to interfering with his wing (c)</p> <p>And generally behaved as though he had been (d)..... </p> <p>In captivity for year. (e)</p>	10	Evaluation



ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Hindi

Assignment No. : 3

Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	Nature
1	<p>निम्नलिखित अपठित गद्यांश को ध्यान से पढ़ें और प्रश्नों का उत्तर दें :</p> <p>भारत में हरित क्रांति का मुख्य उद्देश्य देश को खाद्यान्न मामले में आत्मनिर्भर बनाना था, लेकिन इस बात की आशंका किसी को नहीं थी कि रासायनिक उर्वरकों और कीटनाशकों का अंधाधुंध इस्तेमाल न सिर्फ खेतों में, बल्कि खेतों से बाहर मंडियों तक में होने लगेगा। विशेषज्ञों के मुताबिक रासायनिक उर्वरकों और कीटनाशकों का प्रयोग खाद्यान्न की गुणवत्ता के लिए सही नहीं है, लेकिन जिस रफ्तार से देश की आबादी बढ़ रही है, उसके मद्देनज़र फसलों की अधिक पैदावार ज़रूरी थी। समस्या सिर्फ रासायनिक खादों के प्रयोग की ही नहीं है। देश के ज़्यादातर किसान परंपरागत कृषि से दूर होते जा रहे हैं।</p> <p>दो दशक पहले तक हर किसान के यहाँ गाय, बैल और भैंस खूटों से बँधे मिलते थे। अब इन मवेशियों की जगह ट्रैक्टर-ट्राली ने ले ली है। परिणामस्वरूप गोबर और घूरे की राख से बनी कंपोस्ट खाद खेतों में गिरनी बंद हो गई। पहले चैत-बैसाख में गेहूँ की फसल कटने के बाद किसान अपने खेतों में गोबर, राख और पत्तों से बनी जैविक खाद डालते थे। इससे न सिर्फ खेतों की उर्वरा-शक्ति बरकरार रहती थी, बल्कि इससे किसानों को आर्थिक लाभ के अलावा बेहतर गुणवत्ता वाली फसल मिलती थी।</p> <p>(क) हमारे देश में हरित क्रांति का उद्देश्य क्या था?</p> <p>(ख) खाद्यान्नों की गुणवत्ता बनाए रखने के लिए किनका प्रयोग सही नहीं था?</p> <p>(ग) विशेषज्ञ हरित क्रांति की सफलता के लिए क्या आवश्यक मानने लगे और क्यों?</p> <p>(घ) हरित क्रांति ने किसानों को परंपरागत कृषि से किस तरह दूर कर दिया?</p> <p>(ङ) हरित क्रांति का मिट्टी की उर्वरा शक्ति पर क्या असर हुआ?</p>	5	Understanding

	<p>निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर दिए गए प्रश्नों के उत्तर दीजिए</p> <p>चंपारण सत्याग्रह के बीच जो लोग गांधी जी के संपर्क में आए वे आगे चलकर देश के निर्माताओं में गिने गए। चंपारण में गांधी जी न सिर्फ सत्य और अहिंसा का सार्वजनिक हितों में प्रयोग कर रहे थे बल्कि हलुवा बनाने से लेकर सिल पर मसाला पीसने और चक्की चलाकर गेहूँ का आटा बनाने की कला भी उन बड़े वकीलों को सिखा रहे थे, जिन्हें गरीबों की अगुवाई की जिम्मेदारी सौंपी जानी थी। अपने इन आध्यात्मिक प्रयोगों के माध्यम से वे देश की गरीब जनता की सेवा करने और उनकी तकदीर बदलने के साथ देश को आजाद कराने के लिए समर्पित व्यक्तियों की एक ऐसी जमात तैयार करना चाह रहे थे जो सत्याग्रह की भट्टी में उसी तरह तपकर निखरे, जिस तरह भट्टी में सोना तपकर निखरता और कीमती बनता है।</p> <p>गांधी जी की मान्यता थी कि एक प्रतिष्ठित वकील और हज़ामत बनाने वाले हज़ामत में पेशे के लिहाज़ से कोई फ़र्क नहीं, दोनों की हैसियत एक ही हैं। उन्होंने पसीने की कमाई को सबसे अच्छी कमाई माना और शारीरिक श्रम को अहमियत देते हुए उसे उचित प्रतिष्ठा व सम्मान दिया था। कोई काम बड़ा नहीं, कोई काम छोटा नहीं, इस मान्यता को उन्होंने प्राथमिकता दी ताकि साधन शुद्धता की बुनियाद पर एक ठीक समाज खड़ा हो सके। आज़ाद हिंदुस्तान आत्मनिर्भर, स्वावलंबी और आत्म-सम्मानित देश के रूप में विश्व-बिरादरी के बीच अपनी एक खास पहचान बनाए और फिर उसे बरकरार भी रखे।</p> <p>(क) किसी काम या पेशे के बारे में गांधी जी की मान्यता क्या थी?</p> <p>(ख) गांधी जी सबसे अच्छी कमाई किसे मानते थे?</p> <p>(ग) चंपारण सत्याग्रह के दौरान गांधी जी आध्यात्मिक प्रयोग क्यों कर रहे थे?</p> <p>(घ) गांधी जी लोगों को शारीरिक श्रम का महत्त्व किस तरह समझा रहे थे?</p> <p>(ङ) शारीरिक श्रम को महत्त्व देने और हर काम को समान समझने के पीछे गांधी जी की दूरदर्शिता क्या थी?</p>	5	
2	<p>दिए गए संकेत बिंदुओं की सहायता से विषय 'व्यायाम और खेल' पर 150 शब्दों में अनुच्छेद लिखिए।</p> <ul style="list-style-type: none"> • स्वास्थ्य का जीवन में महत्व • खेल : मनोरंजन का साधन 	6	Critical Thinking

	व्यायाम और खेल के लिए आवश्यक नियम		
3	बिजली के खराब मीटर की शिकायत करते हुए बिजली विभाग के अधिशासी अभियंता को शिकायती पत्र लिखिए ।	5	Communication skill
4	निम्नलिखित पंक्तियों का काव्य-सौंदर्य स्पष्ट कीजिए- 1. हरि आप हरो जन री भीर । द्रोपदी री लाज राखी, आप बढ़ायो चीर। भगत कारण रूप नरहरि, धर्यो आप सरीर। 2. बूढ़तो गजराज राख्यो, काटी कुण्जर पीर । दासी मीरौ लाल गिरधर, हरो म्हारी भीर	6	Understanding
5	नीचे दिए गए प्रश्नों के सही विकल्प छाँटिए । 1. आमरण में कौन सा समास है। A) अव्ययीभाव समास B) तत्पुरुष समास C) कर्मधारय समास D) द्विगु समास 2. नीलगगन – शब्द में समास बताइए A) तत्पुरुष समास B) द्विगु समास C) कर्मधारय समास D) बहुव्रीहि समास 3. पंचतंत्र – शब्द में समास पहचानिए	5	Critical Thinking

A) द्वंद्व समास

B) अव्ययीभाव समास

C) कर्मधारय समास

D) द्विगु समास

4.नर-नारी – शब्द में समास बताइए

A) द्वंद्व समास

B) द्विगु समास

C) बहुव्रीहि समास

D) तत्पुरुष समास

5. महादेव – शब्द में समास छाँटिए

A) द्विगु समास

B) बहुव्रीहि समास

C) तत्पुरुष समास

D) द्वंद्व समास

6

निम्नलिखित प्रश्नों के उत्तर 60 - 70 शब्दों में लिखिए ।

1. 'बड़े भाईसाहब' नामक कहानी से आपको क्या शिक्षा मिलती है? सोदाहरण स्पष्ट करिए ।

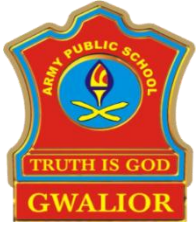
2. दूसरे पद में मीरा बाई श्याम की चाकरी क्यों करना चाहती हैं? स्पष्ट करिए ।

_____X_____

4x2=8

Analytical
Thinking

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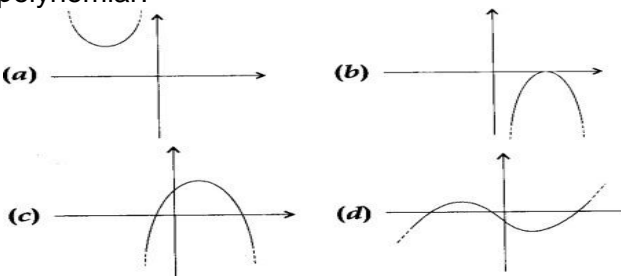


ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)


Subject: Mathematics

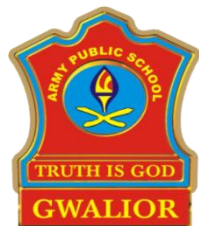
Assignment No. : 3

Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	If HCF (a, b) = 12 and $a \times b = 1800$ then LCM (a, b) is (a) 3600 (b) 900 (c) 150 (d) 90	1	understanding
2	If HCF of 55 and 99 is expressible in the form $55m - 99$, then the value of m: (a) 4 (b) 2 (c) 1 (d) 3	1	application
3	Given that LCM of (91, 26) = 182 then HCF (91, 26) is (a) 13 (b) 26 (c) 7 (d) 9	1	understanding
4	If the zeroes of the quadratic polynomial $x^2 + (a + 1)x + b$ are 2 and -3, then (a) $a = -7, b = -1$ (b) $a = 5, b = -1$ (c) $a = 2, b = -6$ (d) $a = 0, b = -6$	1	Interdisciplinary
5	Which of the following is not the graph of quadratic polynomial? 	1	Analytical Skill
6	A quadratic polynomial, whose zeroes are -4 and -5, is (a) $x^2 - 9x + 20$ (b) $x^2 + 9x + 20$ (c) $x^2 - 9x - 20$ (d) $x^2 + 9x - 20$	1	Critical Thinking and Problem Solving
7	The zeroes of the quadratic polynomial $x^2 + 1750x + 175000$ are (a) both negative (b) one positive and one negative (c) both positive (d) both equal	1	application

8.	The value of k, for which the system of equations $x + (k + l)y = 5$ and $(k + l)x + 9y = 8k - 1$ has infinitely many solutions is (a) 2 (b) 3 (c) 4 (d) 5	1	Analytical Thinking
9.	Directions: (a) If both Assertion and Reason are correct and Reason is the correct explanation of Assertion. (b) If both Assertion and Reason are correct, but Reason is not the correct explanation of Assertion. (c) If Assertion is correct but Reason is incorrect. (d) If Assertion is incorrect but Reason is correct Assertion: $(2x - 1)^2 - 4x^2 + 5 = 0$ is not a quadratic equation. Reason: An equation of the form $ax^2 + bx + c = 0$, $a \neq 0$, where $a, b, c \in R$ is called a quadratic equation.	1	
10	Express each number as a product of its prime factors: (i) 5005 (ii) 156	2	Evaluation
11	Given that HCF (306, 657) = 9, find LCM (306, 657).	2	Analytical Thinking
12.	What is the HCF of the smallest prime number and the smallest composite number?	2	Evaluation
13.	If the sum and product of the zeros of a quadratic polynomial are 2 and -15 respectively. Then find the quadratic polynomial .	2	Evaluation
14.	Find the value of „k “ such that the quadratic polynomial $x^2 - (k+6)x + 2(2k+1)$ has sum of the zeros is half of their product.	2	Analytical thinking
15.	If one root of the equation $4x^2 - 2x + k - 4 = 0$ be the reciprocal of the other, then find the value of k. also find the roots of the equation.	3	understanding
16.	A fraction becomes $\frac{9}{11}$ if 2 is added to both the numerator and the denominator. If, 3 is added to both the numerator and the denominator it becomes $\frac{5}{6}$. Find the fraction.	3	Evaluation
17.	Solve the equations $x + 2y - 4 = 0$ and $2x + 4y - 12 = 0$ graphically.	3	Interdisciplinary
18.	Prove that $\sqrt{5}$ is irrational and hence prove that $3 + 2\sqrt{5}$ is also irrational.	3	Critical thinking

19.	The sum of two numbers is 34. If 3 is subtracted from one number, the product of these two numbers becomes 260. Find the numbers.	3	Interdisciplinary
20.	<p>Raj and Ajay are very close friends. Both the families decide to go to Ranikhet by their own cars. Raj's car travels at a speed of x km/h while Ajay's car travels 5 km/h faster than Raj's car. Raj took 4 hours more than Ajay to complete the journey of 400 km.</p>  <p><i>Based on the above information, answer the following questions.</i></p> <p>(1). What will be the distance covered by Ajay's car in two hours?</p> <p>(2) Which of the following quadratic equations describe the speed of Raj's car?</p> <p>a) $x^2 - 5x - 500 = 0$ b) $x^2 + 4x - 400 = 0$ c) $x^2 + 5x - 500 = 0$ d) $x^2 - 4x + 400 = 0$</p> <p>(3) How much time did it take Ajay to travel 400 km?</p>	1+1+2	Case Study
21.	A motorboat whose speed is 18 km/h in still water takes 1 hour more to go 24 km upstream than to return downstream to the same spot. Find the speed of the stream.	5	HOTS



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CLASS - X
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WORKSHEET (SELF –ASSESSMENT)

Subject: Science

Assignment No. : 3

Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Q1. Which part of human eye helps in the perception of colours? Q2. What are indicators? Q3. Define Reproduction	1 1 1	Information
2	Q4. How asexual reproduction is different from sexual reproduction? Q5. How does the eye adjust itself to deal with light of varying intensity? Q6. What are the common defects of vision that can be corrected by the use of suitable eyeglasses or spectacles?	3 3 3	Understanding
3	Q7. Explain presbyopia and astigmatism. Q8. Write any 3 properties of acids and bases each.	3 3	HOT
4	Q9. Describe any three methods of asexual reproduction. Q10. Why is the colour of the clear sky blue?	3 3	Interdisciplinary
5	Q11. How does the metals reacts with acids, explain the reaction with one example. Q12. What is pH? Also explain universal indicator .	3 3	Analytical Skill
6	Q12. Write the function of each of the following parts of human eye: (i) Cornea (ii) Iris (iii) Crystalline lens (iv) Ciliary muscles (v)	5	Critical Thinking and Problem Solving
7	Q13. Draw a well labelled diagram of human brain and its functions.	5	Evaluation



ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
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WORKSHEET (SELF –ASSESSMENT)

Subject: Social Science
Allotment Date: 20 July 2023

Assignment No. : 3

S. NO.	QUESTIONS	MARKS	NATURE
1	The Muslim League was started by-----.	1	Information
2	Why do social movements like the 'Narmada Bachao Andolan' and 'Tehri Dam Andolan' resist the building of multi-purpose projects and large dams ?	1	Understanding
3	Who are benefited from the multipurpose projects ?	1	Understanding
4	Why did Congress ignore the Dalits for long?	1	Understanding
5	What was the main motive of Salt March?	1	Understanding

6	<p>In India sector is the largest employer while sector is the largest income generator.</p>	1	Critical Thinking and Problem Solving
7	<p>Identify the sector that provides services like education, sanitation system, water etc.</p>	1	Understanding
8	<p>Correct the following statement and rewrite it .</p> <p>The sum total of all the goods and services produced in all sectors provides GDP.</p>	1	Understanding
9	<p>Which of the following is true for GDP ?</p> <p>(a) It includes the value of final goods and services produced within a country.</p> <p>(b) It is measured for one year.</p> <p>(c) Both(a) and(b) are true.</p> <p>(d) Both(a) and(b) are false.</p>	1	Information
10	<p>In the question given below, there are two statements marked as assertion (A) and reason (R) . Read the statements and choose the correct option .</p> <p>Assertion (A) Agriculture is an activity of the organised sector in India.</p> <p>Reason (R) Most of the workers working in agriculture are employed only during harvesting and sowing season.</p> <p>(a) Both (A) and (R) are true and (R) is the correct explanation of (A).</p> <p>(b) Both (A) and (R) are true and (R) is not the correct explanation of (A).</p> <p>(c) (A) is true, but (R) is false.</p> <p>(d) (A) is false , but (R) is true.</p>	1	Critical Thinking and Problem Solving
11	<p>Why and by whom was the Khilafat Movement launched?</p>	3	Information

12	Why is the tertiary sector becoming the most important in India ?	3	Analytical Skill
13	Compare the advantages and disadvantages of multi –purpose river projects ?	3	Evaluation
14	How are the three sectors of economy interdependent?	3	HOTS

15	Why did Congress decide to launch the Civil Disobedience Movement?	5	Information
16	Throw light on the quantitative aspects of water scarcity.	5	HOTS
17	What is the meaning of ' Under employment' ? In which economic sector are under employment conditions more prevalent ? why it is so? Explain.	5	Evaluation
18	On an outline map of India locate and label the following with suitable symbols. (i) Rana Pratap Sagar Dam . (ii) Salal Dam. (iii) Koyna Dam	3	Information



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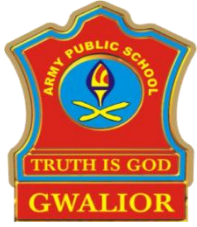
Subject: Computer

Assignment No. : 2

Allotment Date: 20 July 2023

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>Choose and write the correct option (MCQ):-</p> <p>(i). GSM stands for?</p> <p>(a) Groupe Special Mobile (b) Grand Special Mobile (c) Groupe Special Morde (d) None of these</p> <p>(ii). WLL stands for :</p> <p>(a) Wired Local Loop (b) Wireless Local Loop (c) Wireless Long Loop (d) None of these</p> <p>(iii) Which one is the fastest available mobile internet technology?</p> <p>(a) 2 G (b) 3 G (c) 10 G (d) 4 G</p> <p>(iv) This does not assign specific frequency to each user on the communication network?</p> <p>(a) GSM (b) CDMA</p>	0.5x4=2	Information

	(c) TDMA (d) None of these		
2	<p>Fill in the blanks-</p> <p>(i) A ___ internet connection is faster than a 3G connection.</p> <p>(ii) 2G, 3G and 4 G are _____ internet access technologies.</p> <p>(iii) CDAM stands for _____.</p> <p>(iv) ___ enable individuals to be reached via the same mobile number in up to 219 countries.</p>	4 x 0.5=2	Understanding
3	<p>Write True or False against the statements:-</p> <p>(i) Every portable device is capable of connecting to 4G services ()</p> <p>(ii) The GSM phones are unable to unlocked and moved between carriers. ()</p> <p>(iii) A wireless local loop is a generic term for an access system that uses end to end conventional copper wire. ()</p> <p>(iv) WLL stands for Wireless Waste Loop Technology. ()</p>	4x0.5=2	Interdisciplinary
4	<p>Answer the following questions -</p> <p>(i) Write any two features of the GSM technology.</p> <p>(ii) Write any two features of the CDMA technology.</p> <p>(iii) Write any two features of the WLL technology.</p> <p>(iv) What is TDMA</p>	1x4= 4	Critical Thinking and Problem Solving



ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Physical Education
Allotment Date: 20 July 2023

Assignment No. : 2

S.N	QUESTIONS	NATURE	MARKS
1	MCQ A) Who won the man of the match price in 1983 world cup final? i) Kapil Dev ii) Mahinder Amarnath iii) Chetan Sharma iv) Sandeep Patil	Understanding)	4×1=4
	B) What is the height of stump from ground? i) 28 inches ii) 30 inches iii) 29 inches iv) 24 inches	Informatory	

	<p>C) Who won the first Arjun award in Cricket?</p> <p>i) Sunil Gawasker</p> <p>ii) Kapil Dev</p> <p>iii) Sachin Tendulkar</p> <p>iv) Salim Durrani</p>	Analytical	
	<p>D) Which player has their nick name “the wall”?</p> <p>i) Rahul Dravid</p> <p>ii) Virat Kohli</p> <p>iii) Sachin Tendulkar</p> <p>iv) Dilip Vengsarkar</p>	Information	
2.	<p>B) Fill In The Blanks :-</p> <p>A) Distance _____ between to the stump.</p>	Informatory	3×1=3
	<p>B) Width of the cricket bat _____.</p>	Informatory	
	<p>C) India won 20-20 cricket world cup in _____ year.</p>	Understanding	
3.	<p>True/False</p> <p>i. Full of the DRS is decision review system.</p> <p>True</p>	Understanding	3×1=3

	False		
	ii. Navab Patoudi was first ODI captain of India. True False	Understanding	
	iii. Murlidharn is the highest wicket tacker in test cricket. True False		