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

Subject: English   **Assignment No. : 4**
Allotment Date: 25 August 2023

S.NO	QUESTIONS	MARKS	NATURE
01	Who is Keesing? How did he punish Anne?	5	Information
02	Amanda imagines herself to be Rapunzel, yet would not like to do what all she did. Identify and state the reasons for her decision.	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	Read the following extract and answer the questions that follow: 'Paper has more patience than people.' I thought of this on one of those days when I was feeling a little depressed and was sitting at home with my chin on my hands, bored and listless, wondering whether to stay in or go out. I finally stayed where I was brooding….. . (a) When did Anne remind herself that' paper has more patience than people'. (b) Explain: Paper has more patience than people. (c) What kind of girl was Anne at that time? (d) What was Anne brooding? (e) Is Anne all alone in the world?	5	Analytical Skills
05	Read the extract and answer the following questions: (There is a languid, emerald sea, Where the sole inhabitant is me- A mermaid drifting blissfully). (a) Who is the speaker? (b) Who is 'me' compared to? (c) What does the girl wish to be? (d) The word blissfully means,… (e) Which figure of speech is found in ' emerald sea?	10	Critical Thinking and Problem Solving

| 06 | The tourism industry can bring valuable income to the country. Write a letter to the editor of a popular daily on how the government and the public can boost the development of this industry. Write the letter in 100-120 words. You are Roma/Ram, 4 Rani Road, Ranchi 6. | 10 | | **Evaluation** |

Subject: Hindi   **Assignment No. : 4**

S.NO.	QUESTIONS	MARKS	NATURE
1	आप यमुना पब्लिक स्कूल में हिंदी विभाग के सचिव हैं	आपके विद्यालय में आयोजित दोहा गायन प्रतियोगिता के लिए विद्यार्थियों को आमंत्रित करते हुए एक सूचना तैयार कीजिए		5	Information
2	हिंसा प्रधान फिल्मों के समाज पर पड़ते दुष्प्रभाव पर अपने विचार प्रकट करते हुए 'अमर उजाला ' समाचार -पत्र के संपादक को पत्र लिखिए (शब्द सीमा लगभग १०० शब्द)	5	Communication Skills
3	1 निम्नलिखित वाक्यों को ध्यानपूर्वक पढ़िए और रचना के आधार पर उनका भेद लिखिए। 1. जैसे ही महात्मा जी आए वैसे ही भीड़ उनके स्वागत में खड़ी हो गई 2.चुनाव निकट आते ही नेताओं को जनता के दुख दर्द याद आने लगे। 3. वर्षा समाप्त हुई और इंद्रधनुष निकल आया। 4 जो परिश्रमी होते हैं, वे काम से नहीं डरते। 5 बत्ती हरी होते ही गाड़ियाँ चल पड़ी। 2- निम्नलिखित मुहावरों के अर्थ लिखकर उचित वाक्यों में प्रयोग कीजिए फूटी आँख न सुहाना – कलेजा ठंडा होना – तराजू पर तौलना – गले का हार होना – कान पर जूँ न रेंगना –	5 5	Interdisciplinary
4	समाज में रिश्तों की क्या अहमियत है	इस विषय पर अपने विचार प्रकट कीजिए		5	Analytical Skill

5	निम्नलिखित में से किसी एक विषय पर 150 शब्दों में अनुच्छेद लिखिए।	6	Critical Thinking and Problem Solving
	(क) सत्संगति के लाभ		
	अथवा		
	(ख) शहरों में यातायात समस्या		
6	निम्नलिखित प्रश्नों के उत्तर दीजिए-	9	Evaluation
	1 ' मनुष्यता ' कविता के माध्यम से कवि क्या संदेश देना चाहता है|		
	2. सुभाष बाबू के जुलूस में स्त्री समाज की क्या भूमिका थी ?		
	3. ' तीसरी कसम ' फिल्म को ' सैल्यूलाइड पर लिखी कविता ' क्यों कहा गया है?		

Subject: Mathematics   **Assignment No. : 4**
Allotment Date: 25 August 2023

S. N.	QUESTIONS	MARKS	NATURE
1	In ΔABC & Δ DEF ,$\angle B=,\angle E$, ,$\angle F=,\angle C$ and AB =3DE, Then the two triangles are (a) Congruent but not similar (b) Similar but not congruent (c) Neither congruent nor similar (d) Congruent as well as similar	1	Understanding
2	In ΔABC & Δ PQR, AB/QR=BC/PR=CA/PQ, then (a) $\Delta CAB \sim \Delta PQR$ (b) $\Delta ABC \sim \Delta PQR$ (c) $\Delta CBA \sim \Delta PQR$ (d) $\Delta BCA \sim \Delta PQR$	1	Understanding
3	The first and last of an A.P. are 1 and 11 .If the sum of its term is 36, then the number of terms will be; (a) 5 (b) 6 (c) 7 (d) 8	1	Application
4	The famous mathematician associated with finding the sum of first 100 natural numbers is: (a) Pythagoras (b) Newton (c) Gauss (d) Euclid	1	Application
5	The sum of first n terms of an A.P. is $3n^2+5n$, then 164 is its: (a) 24th term (b) 27th term (c) 26th term (d) 25th term	1	Analytical Thinking
6	If the first term of an A.P. is -5 and the common difference is 2 ,then the sum of its first 6 terms is: (a)0 (b) 5 (c)6 (d)15	1	Analytical Thinking
7	In ΔPQR , MN II PR.If QM=4x-3,QN=8x-7,PM=3x-1 and RN=5x-3 ,Then the value of x is: (a)1 (b) 5 (c)3 (d)2	1	Application
8.	If $\frac{1}{x+2}$,$\frac{1}{x+3}$,$\frac{1}{x+5}$ are in A.P., then x= (a)1 (b) 5 (c)3 (d)2	1	Analytical Thinking
9	*Directions:* In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as: (a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A). (b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A). (C) Assertion (A) is true but reason (R) is false.	1	Evaluation

	(d) Assertion (A) is false but reason (R) is true. **Assertion:** Sum of natural number from 1 to 100 is 5050 **Reason:** Sum of n natural number is n(n+1)/2		
10	Find the number of natural numbers between 101 and 999 which are divisible by both 2 and 5.	2	problem solving
11	. For what value of p are 2p+1,13,5p-3 three consecutive terms of A.P.,	2	problem solving
12.	If AD and PM are medians of triangles ABC and PQR , where $\triangle ABC \sim \triangle PQR$, prove that AB/PQ = AD/PM	2	Analytical Thinking
13	. If 12th term of an AP is 213 and the sum of its four terms is 24, then what is the sum of its 10 terms.	2	HOTS
14.	Find the sum of all natural numbers between 250 and 1000 which are exactly divisible by 3..	2	Analytical Thinking Problem solving
15.	. If the sum of p terms of an AP is q and the sumof q terms of the same AP is p, then find the sum of p+q terms .l	3	Analytical Thinking
16.	If k-1,k+3 and 3k-1 are in AP, then find the value of k.	3	Evaluation Problem solving
17.	A man repays a loan of Rs 3250 by Rs 20 in the first month and increased the payment by Rs 15 every month . How long will it take him to clear the loan.	3	Application
18.	The sum of m terms of an AP is the same as the sum of its n terms, show that sum of its m+n terms is zero.	3	Problem solving
19.	. Find the sum of all two digit numbers which have leave the remainder 2 when divided by 5.	3	Critical thinking and Problem solving
20.	The school auditorium was to be constructed to accommodate at least 1500 people. The chairs are to be placed in concentric circular arrangement in such a way that each succeeding circular row has 10 seats more than the previous one. 1. If the first circular row has 30 seats, how many seats will be there in the 10th row? 2. For 1500 seats in the auditorium, how many rows need to be there? **OR** If 1500 seats are to be arranged in the auditorium, how many seats are still left to be put after 10th row?	1+2+1	Critical thinking and Applications

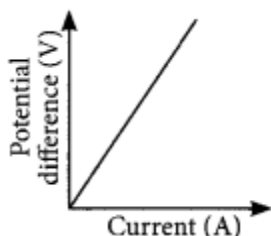|	3. If there were 17 rows in the auditorium, how many seats will be there in the middle row?		
21.	STATE AND PROVE THALES THEORM	**5**	HOTS

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

Subject: Science   **Assignment No. : 4**
Allotment Date: 25 August 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Q1. Define electric current. Q2. Define melting point. Q3. Define Reproduction	1 1 1	Information
2	Q4. How asexual reproduction is different from sexual reproduction? Q5. V-I graph for a conductor is as shown in the figure (i) What do you infer from this graph? (ii) State the law expressed here. Q6. Name a device that you can use to maintain a potential difference between the ends of a conductor. Explain the process by which this device does so.	**3** **3** **3**	Understanding
3	Q7. Define 1 volt. Express it in terms of SI unit of work and charge calculate the amount of energy consumed in carrying a charge of 1 coulomb through a battery of 3 V. Q8. What are the characteristics properties of the particles of matter.	**3** **3**	HOT
4	Q9. Describe any three methods of asexual reproduction. Q10. State the relation between work, charge and potential difference for an electric circuit. Calculate the potential difference between the two terminals of a battery if 100 J of work is required to transfer 20 C of charge from one terminal of the battery to the other.	**3** **3**	Interdisciplinary
5	Q11. Explain why solids have fixed shape but liquids and gases do not have fixed shapes. Q12. A rubber band is a solid, but it can change its shape. why?	3 3	Analytical Skill
6	Q12. Define resistance and give its SI unit. What is meant by 1 ohm resistance? Draw V-I graph for an ohmic conductor and list its two important features.	**5**	Critical Thinking and Problem Solving
7	Q13. Draw a well labelled diagram of human brain and its functions.	**5**	Evaluation
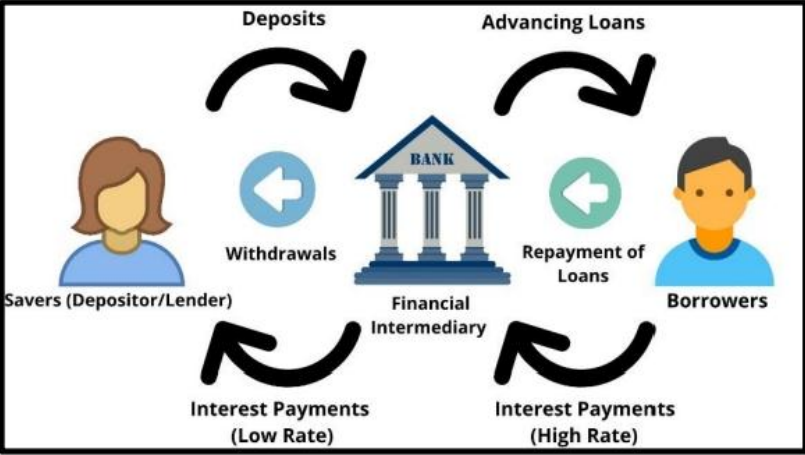
Subject: Social Science   **Assignment No. : 4**

S. No.	QUESTIONS	MARKS	NATURE
1	**Assertion:** India has evolved a multiparty system. **Reason:** It is because the social and geographical diversity in such a large country is not easily aborted by two or even three parties. a)Both A and R are true and R is the correct explanation of A b)Both A and R are true but R is not the correct explanation of A c)A is correct but R is wrong d)A is wrong but R is correct	1	Understanding
2	**Which one of the following statements is NOT true?** (a) The Constitution prohibits discrimination on the grounds of religion. (b)The Constitution allows us to practice, profess and propagate any religion or not to follow any. (c)The Constitution of India allows the state to intervene in the matters of religion in order to ensure equality within religious communities. (d) As per the Constitution, religion can never be separated from politics.	1	Information
3	**Choose the correctly matched pair.** (a) Primitive subsistence farming - practised on large patches of land (b) Intensive subsistence farming-single crop production farming (c) Commercial farming - use of higher doses of modern inputs (d) Plantation farming - practised on small patches of land	1	Understanding
4	**Which among the following organisations issues the currency notes in India?** a) The Central Government of India b) The NITI Aayog c) The Finance Minister d) The Reserve Bank of India	1	Information
5	**Assertion :** Geological processes of mineral formation is slow **Reason :** Minerals resources are consumed way quickly than they are formed. (a) If Both assertion and reason are true and reason is the correct explanation of assertion. (b) If Both assertion and reason are true but reason is	1	Understanding

	not the correct explanation of assertion. (c) If Assertion is true but reason is false. (d) If Both assertion and reason are false.		
6	**Complete the following table with correct information for A and B :**	1	Information

Sugarcane Crop	Annual Rainfall Required	Climate	Temperature required for growth (in degrees)
	A - ?	Hot and Humid	B-?

7	Being a tropical country, India has enormous possibilities of tapping solar energy. Suggest any two ways to popularise it's maximum use.	1	Understanding
8	Rita has taken a loan of Rs. 7 lakhs from the bank to purchase a car. The annual interest rate on the loan is 14.5 per cent and the loan is to be repaid in 3 years in monthly instalments. The bank retained the papers of the new car as collateral, which will be returned to Rita only when she repays the entire loan with interest. **What is most appropriate term for the above mentioned loan information? Define the term as well.**	1	Understanding
9	**Study the given picture:** A) What does the given picture depicts? B) Mention the name famous leader from the picture.	1	Critical Thinking and Problem Solving
10	Define the term 'Feminist'.	1	Critical Thinking and Problem Solving
11	'Communalism is harmful for the nation.' Explain with suitable examples.	3	HOTS
12	Describe the necessity or utility of political parties in democratic countries.	3	Information
13	Differentiate between the commercial agriculture and the subsistence agriculture.	3	Evaluation

14	Analysis the given picture and answer the following questions- a) How are deposits with the banks beneficial for individual as well as for the nation? b) Why do Banks ask for a collateral while lending?	3	Analytical Skill
15	What is collateral? What is the main reason to prevent the poor getting alone from banks? Explain.	5	HOTS
16	Why is conservation of mineral resources essential? Explain any three methods to conserve them.	5	Information
17	"Political parties play an important role in democratic countries." Justify the statement.	5	Evaluation
18	On an outline map of India locate and label the following with suitable symbols. a) Major 'Jute' producing state b)Tarapur- Nuclear power plant c) A state where Samajwadi party is a regional party.	3	Information

Subject: Computer   **Assignment No. : 3**

S.NO.	QUESTIONS	MARKS	NATURE
1	Choose and write the correct option (MCQ):- (i). For Import/Export data operation. Click on : (a) Home Tab (b) External Data Tab (c) Import/Export Tab (d) None of these (ii). To remove Filter, click on the following button: (a) Filter (b) Toggle Filter (c) Delete Filter (d) None of these (iii) To apply filter, you need to apply : : (a) Encryption (b) Sort (c) Criteria (d) Glue (iv) The password should be the combination of: (a) Upper case letters (b) Lower case letters (c) Digits (d) All of these	½ x 4=2	Information
2	Fill in the blanks- (i) File extension of MS-Access Database file is __. (ii) For Applying number filters, in the Filter menu point to _____ options. (iii) A ___ is a name assigned to a column of data in a table... (iv) Using ___ we can provide password security to our database.	½ x 4=2	Understanding and Problem Solving

| 3	Write short notes on following-	½ x 4=2	Critical Thinking
	(i) Sorting		
	(ii) Filtering		
	(iii) Number Filters		
	(iv) Encryption		
4	Answer the following questions -	1x4= 4	HOT
	(i) Find out and write names of the file types in which access data can be exported?		
	(ii) How can Encryption safeguard your database?		
	(iii) What do you understand by text filters? Explain with an example.		
	(iv) Write down steps involved in sorting of data.		

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

Subject: Physical Education   **Assignment No. : 3**

Allotment Date: 25 August 2023

| S.NO	MULTIPLE CHOICE QUESTIONS(QUESTION 1 TO 4)	SKILLS	MARKS:- 1X10=10
1.	India played its first one day in? (A) 1970 (B) 1971 (C) 1972 (D) 1974	Problem-solving	1
2.	. Sachin Tendulkar played his One-day debut against (A) India (B) Australia (C) Pakistan (D) Sri Lanka	Initiative	1
3.	who is the fastest Indian bowler to reach 100 wickets in One-day internationals. (A) Kapil dev (B) Anil Kumble (C) Ajit Agarkar (D) Zaheer Khan	Problem-solving	1
4.	Where is the sports stadium, 'Green Park' located? (a) Kanpur (b) Jamshedpur (c) Cutlack (d) Patiala	Initiative	1
5.	*Fill in the blanks (question 5 to 7)* _____*was India's first One-day captain.* *(Sunil Gavaskar ,Ajit Wadekar)*	Thinking	1
6.	International governing body of Cricket is_____? (ICC, CCI)	Thinking	1
7.	_____ has taken the highest number of wickets in Test Cricket. (Muttiah Muralitharan, Shane Warne)	Self-regulation	1
8.	**True & False (question 8 to 10)** In cricket, Golden duck is used to describe the situation when a batsman is "out" on the first ball of the match.	Initiative	1
9.	Full form of ICC is International Cricket Council	Thinking	1
10.	Irani Trophy is related to cricket	Problem-solving	1
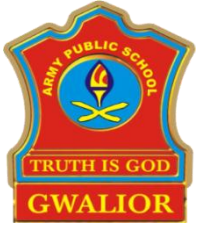
Subject: Work Education   **Assignment No. : 3**
Allotment Date: 25 August 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	What are the basic shapes fundamentals ?	2	Understanding
2	What is the basic knowledge about shapes ?	2	Understanding
3	What is the first Shape?	2	Understanding
4	What are five basic shapes ?	2	Understanding
5	What are the most fundamental shapes ?	2	Understanding
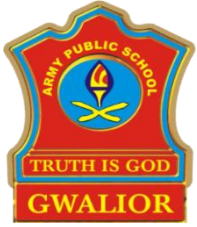
Subject: Music (Vocal and Dance Instrumental)   **Assignment No. : 3**
Allotment Date: 25 August 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	How many parts instrument are dividrd ? a) 2 b) 4	1	Informative
2	which of the following is musical instrument tabla , pakhawaj ? a) Ghana vadya yantra. b) Avanaddha vadya yantra.	1	Informative
3	what we call the instruments which have three wires ? a) Sitar b) Tabla	1	Informative
4	Which form of song is " Aye mere watan ke logo"? a) Patriotic Song b) Folk song	1	Informative
5	What does "Taal" called in English? a) Beats b) Rythem	1	Informative
6.	Who is the writer of song "saare jahan se accha"? a) Mohommad Iqbal b) Rabindranath Tagore	1	Informative

7.	**Rhythem is?** a) Long and short sounds b) Beats	1	Informative
8.	How many beats (matra) in Rupak taal? a) 10 b) 7	1	Informative
9.	How many tali in Rupak taal? a) 3 b) 2	1	Informative
10.	How many khali in Rupak taal ? a) 4 b) 1	1	Informative