

ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: English

Assignment No. : 8

Allotment Date: 31 January 2025

S. NO.	QUESTIONS	MARKS	NATURE
1	<p>Read the extract carefully and answer the questions that follow:</p> <p>Tenth May dawned bright and clear. For the past few days, I had been pleasantly besieged by dignitaries and world leaders who were coming to pay their respects before the inauguration. The inauguration would be the largest gathering ever of international leaders on South African soil. The ceremonies took place in the lovely sandstone amphitheater formed by the Union Buildings in Pretoria. For decades this had been the seat of white supremacy, and now it was the site of a rainbow gathering of different colours and nations for the installation of South Africa's first democratic, non – racial government.”</p> <p>(a) What makes Mandela be proud of Tenth May. Which one of the following factors are not considered?</p> <ol style="list-style-type: none">1. It was bright sunshine.2. He was flooded with congratulatory calls.3. It was a momentous day.4. They sighted a rainbow. <p style="padding-left: 40px;">(i) Option 1 and 4 only (ii) Option 1 only (iii) Option 2 only (iv) Option 4 only</p> <p>(b) Why was Mandela overwhelmed about May Ten?</p> <p>(c) Fill in the blank with ONE WORD only .</p> <p>Mandela was..... surrounded by the messages from all over the world.</p> <p>(d) What according to the extract was the significance of the lovely sandstone amphitheater?</p> <ol style="list-style-type: none">(i) It was a masterpiece of architecture(ii) It was a seat of white supremacy.(iii) Now it was the site of a rainbow gathering(iv) Ceremonies used to take place there <p>(e) Select the option that correctly captures the application of the word 'pleasantly' as used in the first line of the extract.</p> <ol style="list-style-type: none">(i) The holiday weekend passed pleasantly.(ii) The city of Rionero in Vulture is pleasantly situated 27 m.(iii) The stadium is pleasantly airy.(iv) I was pleasantly surprised when I received invite for	5	Information

	the party.		
2	<p><u>Read the given extract and answer the questions that follow:</u></p> <p>The train pulled out of the station. Pranjol buried his nose in his detective book again. Rajvir too was an ardent fan of detective stories, but at the moment he was keener on looking at the beautiful scenery. It was green, green everywhere. Rajvir had never seen so much greenery before. Then the soft green paddy fields gave way to tea bushes. It was a magnificent blue. Against the backdrop of densely wooded hills, a sea of tea bushes stretched as far as the eye could see. Dwarfing the tiny tea plants were tall sturdy shade trees and amidst the orderly rows of bushes busily moved doll-like figures. In the distance was an ugly building with smoke billowing out of tall chimneys.</p> <p>2.1 What was Rajvir an ardent fan of? 1</p> <p>2.2 Who were the doll-like figures? 1</p> <p>2.3 How has a building at a distance been described? 2</p> <p>2.4 Where was Rajvir headed towards? 1</p> <p>OR</p> <p>You are Rita/ Ritesh of 27, ASRC Road, Hyderabad. Your sister, while coming back from her school was bitten by a stray dog. A large number of stray dogs are wandering on the roads. They are a great nuisance and pose threat to passers- by, especially school children. Write a letter to the editor of a newspaper complaining about the problem of stray dogs in your locality. Also suggest some solutions to solve this problem.(word limit 100-120 words)</p>	5	Understanding
3	<p>Answer the following question in 100-120 words:</p> <p>What is the importance of breads for the Goans?</p>	5	HOT
4	<p>Answer the following question in 100-120 words:</p> <p>Scientists contribute to make the world a better place. Griffin is an antithesis to this statement. Justify.</p>	5	HOT
5	<p><u>Read the following extract and answer the questions that follow:</u></p> <p>No use to say 'O there are other balls':</p> <p>An ultimate shaking grief fixes the boy</p> <p>As he stands rigid, trembling, staring down</p> <p>All his young days into the harbour where</p> <p>His ball went.</p>	5	Analytical skill

	<p>5.1 The boy remembers his _____ days.</p> <p>5.2 How does the boy feel when he loses his ball?</p> <p>5.3 Where has the boy lost his ball?</p> <p>5.4 Where is the boy standing?</p> <p>5.5 The boy who has lost ball is in the state of...</p>		
6	<p>'Amanda is alone but not lonely in the world she envisions.' Justify the statement with reference to any one image she pictures in her mind.</p> <p style="text-align: center;">OR</p> <p>The forest undergoes tremendous transformation overnight. Discuss with reference to the poem "The Trees".</p>	5	Critical Thinking & Problem Solving
7	<p>GRAMMAR</p> <p>The following passage has not been edited. There is one error in each line. Write the incorrect word and the correction against each line.</p> <p>1) In Himalayas, the desert is turning green ____ ____</p> <p>Climate change in an Indian region of ____ ____</p> <p>Ladakh has shrunk glaciers or has made ____ ____</p> <p>rainfall and temperature unpredictable. Water has ____ . ____</p> <p>needed to irrigating the fields. ____ ____</p> <p>2) In the prisoner's room a candle is ____ ____</p> <p>Burning dimly. A prisoner himself ____ ____</p> <p>sat by the table. Only him back, ____ ____</p> <p>The hair by his head, and his ____ ____</p> <p>hands are visible from outside. ____ ____ .</p>	10	Evaluation



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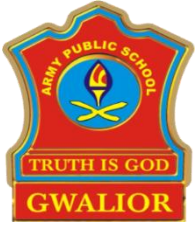
Subject: Hindi

Assignment No. : 8

Allotment Date: 31 January 2025

S.NO	QUESTIONS	MARKS	NATURE
01	<p>निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए और पूछे गए प्रश्नों के उत्तर गद्यांश के आधार पर लिखिए-</p> <p>आज की नारी संचार प्रौद्योगिकी, सेना, वायुसेना, चिकित्सा, इंजीनियरिंग, विज्ञान वगैरह के क्षेत्र में न जाने किन-किन भूमिकाओं में कामयाबी के शिखर छू रही है। ऐसा कोई क्षेत्र नहीं, जहाँ आज की महिलाओं ने अपनी छाप न छोड़ी हो। कह सकते हैं कि आधी नहीं, पूरी दुनिया उनकी है। सारा आकाश हमारा है। पर क्या सही मायनों में इस आज़ादी की आँच हमारे सुदूर गाँवों, कस्बों या दूरदराज के छोटे-छोटे कस्बों में भी उतनी ही धमक से पहुँच पा रही है? क्या एक आज़ाद, स्वायत्त मनुष्य की तरह अपना फैसला खुद लेकर मज़बूती से आगे बढ़ने की हिम्मत है उसमें?</p> <p>बेशक समाज बदल रहा है मगर यथार्थ की परतें कितनी बहुआयामी और जटिल हैं जिन्हें भेदकर अंदरूनी सच्चाई तक पहुँच पाना आसान नहीं। आज के इस रंगीन समय में नई बढ़ती चुनौतियों से टकराती स्त्री की क्रांतिकारी आवाज़ें हम सबको सुनाई दे रही हैं, मगर यही कमाऊ स्त्री जब समान अधिकार और परिवार में लोकतंत्र की अनिवार्यता पर बहस करती या सही मायनों में लोकतंत्र लाना चाहती है तो वहाँ इसकी राह में तमाम धर्म, भारतीय संस्कृति, समर्पण, सहनशीलता, नैतिकता जैसे सामंती मूल्यों की पगबाधाएँ खड़ी की जाती हैं। नारी की सच्ची स्वाधीनता का अहसास तभी हो पाएगा जब वह आज़ाद मनुष्य की तरह भीतरी आज़ादी को महसूस करने की स्थितियों में होगी।</p> <p>प्रश्न:1 नारी की वास्तविक आज़ादी कब होगी ?</p> <p>प्रश्न: 2.कामयाबी, नैतिकता शब्दों से प्रत्यय अलग करके मूलशब्द भी लिखिए।</p>	5	Understanding
02	<p>प्रश्न: 3.कैसे कहा जा सकता है कि आधी दुनिया नहीं बल्कि पूरी दुनिया महिलाओं की है?</p>	3	Communication

	<p>प्रश्न: 4.दूरदराज़ के क्षेत्रों में लेखक को महिलाओं की आज़ादी पर संदेह क्यों लगता है ?</p> <p>प्रश्न: 5.नारी जब परिवार में लोकतंत्र लाना चाहती है तो वह कमज़ोर क्यों पड़ जाती है?</p> <p>‘कान्हा डेयरी’ अपने उत्पादों की बिक्री बढ़ाने के लिए एक विज्ञापन तैयार करवाना चाहते हैं। इस संबंध में आप उनके लिए विज्ञापन लेखन कीजिए।</p>		
03	<p>आप ग्रीन वेल अपार्टमेंट, द्वारका में रहते हैं। आपके इलाके में एक सीवर टूट गया है जिसके कारण नाले का गंदा पानी सड़क पर आ गया है। ज्यादा गंदा फैल रहा है। सीवर की मरम्मत करवाने हेतु निगम अधिकारी को cdaf@eafg.com पर ईमेल लिखिये।</p>	5	Understanding
04	<p>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 120 शब्द)</p>	5	Communication
05	<p>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।</p>	4	Understanding
06	<p>1 निम्नलिखित वाक्यों को ध्यानपूर्वक पढ़िए और रचना के आधार पर उनका भेद लिखिए।</p> <ol style="list-style-type: none"> जैसे ही महात्मा जी आए वैसे ही भीड़ उनके स्वागत में खड़ी हो गई चुनाव निकट आते ही नेताओं को जनता के दुख दर्द याद आने लगे। वर्षा समाप्त हुई और इंद्रधनुष निकल आया। जो परिश्रमी होते हैं, वे काम से नहीं डरते। 	4	Analytical Skills
07	<p>निम्नलिखित में से किसी एक विषय पर 150 शब्दों में अनुच्छेद लिखिए।</p> <p>(क) सत्संगति के लाभ</p> <p>अथवा</p> <p>(ख) शहरों में यातायात समस्या</p>	5	Critical Thinking and Problem Solving
08	<p>निम्नलिखित प्रश्नों के उत्तर दीजिए।-</p> <ol style="list-style-type: none"> डेरा डालने से आप क्या समझते हैं? स्पष्ट कीजिए। लेखक ने जापानियों के दिमाग में ‘स्पीड’ का इंजन लगने की बात क्यों कही है? ‘सर हिमालय का हमने न झुकने दिया’, इस पंक्ति में हिमालय किस बात का प्रतीक है? 	9	Evaluation



ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: Mathematics

Assignment No. : 8

Allotment Date: 31 January 2025

S. NO.	QUESTIONS	MARKS	NATURE												
1	The HCF of 4052 and 12576 is (a) 4 (b) 3 (c) 12 (d) 2	1	Understanding												
2	If A is an acute angle and $\sin A = \cos A$ then the value of $\tan^2 A + \cot^2 A - 2$ is (a) 0 (b) 1 (c) 2 (d) 4	1	Understanding												
3	If the system of equations $3x+y=1$ and $(2k-1)x+(k-1)y=2k+1$ is inconsistent, then k = (a) -1 (b) 0 (c) 1 (d) 2	1	Evaluation												
4	The area of the circle that can be inscribed in a square of side 8 cm is (a) $36 \pi \text{ cm}^2$ (b) $16 \pi \text{ cm}^2$ (c) $12 \pi \text{ cm}^2$ (d) $9 \pi \text{ cm}^2$	1	Application												
5	The mode and mean is given by 7 and 8, respectively. Then the median is: (a) $1/13$ (b) $13/3$ (c) $23/3$ (d) 33	1	Evaluation												
6	ABCD is a trapezium with $AD \parallel BC$ and $AD = 4\text{cm}$. If the diagonals AC and BD intersect each other at O such that $AO/OC = DO/OB = 1/2$, then BC = (a) 6cm (b) 7cm (c) 8cm (d) 9cm	1	Analytical Thinking												
7	If the difference of Mode and Median of a data is 24, then the difference of median and mean is (a) 8 (b) 12 (c) 24 (d) 36	1	Application												
8.	For the following distribution, <table border="1" style="margin-left: 20px;"> <tr> <td>class</td> <td>0-5</td> <td>5-10</td> <td>10-15</td> <td>15-20</td> <td>20-25</td> </tr> <tr> <td>Freq.</td> <td>10</td> <td>15</td> <td>12</td> <td>20</td> <td>9</td> </tr> </table> <p>the sum of the lower limits of the median and modal class is (a) 15 (b) 25 (c) 30 (d) 35</p>	class	0-5	5-10	10-15	15-20	20-25	Freq.	10	15	12	20	9	1	Analytical Thinking
class	0-5	5-10	10-15	15-20	20-25										
Freq.	10	15	12	20	9										
9	Which of the following can not be the probability of an event? (a) 0.4 (b) 4% (c) 0.04% (d) 4	1	Evaluation												

10	<p>Directions: In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:</p> <p>(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. (d) Assertion (A) is false but reason (R) is true.</p> <p>Assertion:A : The sequence $-1, -1, -1, \dots -1$ is an A.P. Reason R : In an A.P , $a_n - a_{n-1}$ is constant when $n \geq 2$ and $n \in \mathbb{N}$.</p>	1	Competency based
11	<p>If triangles ABC and DEF are similar and $AB=4$ cm, $DE=6$ cm, $EF=9$ cm and $FD=12$ cm, the perimeter of triangle ABC is:</p> <p>(a) 22 cm (b) 20 cm (c) 21 cm (d) 18 cm</p>	2	problem solving
12.	<p>Prove That : $\tan \theta / (1 - \cot \theta) + \cot \theta / (1 - \tan \theta) = 1 + \sec \theta \operatorname{cosec} \theta$</p>	2	Analytical Thinking
13	<p>Find the perimeter of a triangle with vertices $(0,4)$, $(0,0)$ and $(3,0)$.</p>	2	HOTS
14.	<p>Find the ratio in which the y-axis divides the line segment joining the points $(4, -5)$ and $(-1,2)$. Also find the point of intersection..</p>	2	Analytical Thinking Problem
15.	<p>Prove that $\sqrt{1 + \sin A} / \sqrt{1 - \sin A} = \sec A + \tan A$</p>	3	Analytical Thinking
16.	<p>Prove that the lengths of tangents drawn from an external point to a circle are equal</p>	3	Analytical thinking problem
17.	<p>Prove that : $(\cot \theta - \operatorname{cosec} \theta)^2 = 1 - \cos \theta / 1 + \cos \theta$</p>	3	Application
18.	<p>The length of the minute hand of a clock is 6cm. Find the area swept by it when it moves from 7:05 p.m. to 7:40 p.m.</p>	3	Problem solving
19.	<p>Prove that a parallelogram circumscribing a circle is a rhombus.</p>	3	Critical thinking and Problem solving
20.	<p>Rinku was very happy to receive a fancy jumbo pencil from his best friend Rohan on his birthday. Pencil is a basic writing tool, when sharpened its shape is a combination of cylinder & cone as given in the picture.</p> <p>Cylindrical pencil with conical head is a common shape worldwide since ages. Commonly pencils are made up of wood & plastic but we should promote pencils made up of eco-friendly material (many options available in the market these days) to save environment. The dimensions of Rinku's pencil are given as follows: Length of cylindrical portion is 21cm. Diameter of the base is 1 cm and height of the conical portion is 1.2 cm</p>	1+1+2	Competency based



Based on the above information, answer the following questions:

- I. Find the slant height of the sharpened part. 1
- II. Find curved surface area of sharpened part (in terms of π).
- III. Find the total surface area of the pencil (in terms of π).

OR

The pencil's total height decreases by 8.2 cm after sharpening it many times, what is the volume of the cylindrical part of the shortened pencil (in terms of π)?

21.

The median of the following data is 28.5. Find the values of x and y, if the total frequency is 60

C.I.	0-10	10-20	20-30	30-40	40-50	50-60
Freq.	5	x	20	15	y	5

5

HOTS



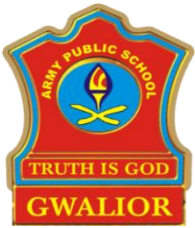
ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: Science

Assignment No. : 8

Allotment Date: 31 January 2025

S. NO.	QUESTIONS	MARKS	NATURE
1	Q1. What is the magnification of the images formed by plane mirrors and why? Q2. Why covalent compounds have low melting and boiling point? Q3. Define excretion.	1 1 1	Information
2	Q4. Why does the flow of signals in a synapse from axonal end of one neuron to dendritic end of another neuron take place but not in the reverse direction? Q5. State ohms law. Represent it graphically. In the given circuit diagram calculate (i) the total effective resistance of the circuit. (ii) the current through each resistor. Q6. Explain the use of an electric fuse. What type of material is used for fuse wire and why?	3 3 3	Understanding
3	Q7. Design an activity to demonstrate that a bar magnet has a magnetic field around it. Q8. Give reasons for the following: (i) Element carbon forms compounds mainly by covalent bonding. (ii) Diamond has high melting point. (iii) Graphite is a good conductor of electricity.	3 3	HOT
4	Q9. What is the effect of DNA copying, which is not perfectly accurate, on the reproduction process? How does the amount of DNA remain constant through each new generation is a combination of DNA copies of two individuals? Q10. Write about power of accommodation of human eye. Explain why the image distance in the eye does not change when we change the distance of an object from the eye?	3 3	Interdisciplinary
5	Q11. Why are detergents better cleansing agents than soaps? Explain. Q12. Unsaturated hydrocarbons contain multiple bonds between the two C-atoms and show addition reactions. Give the test to distinguish ethane from ethene.	3 3	Analytical Skill
6	Q12. Draw a rough sketch of the pattern of field lines due to a (i) current flowing into a circular coil and (ii) solenoid carrying current.. (iii) current flowing through a straight conductor.	5	Critical Thinking and Problem Solving
7	Q13. Name the plant Mendel used for his experiment. What type of progeny was obtained by Mendel in F ₁ and F ₂ generations when he crossed the tall and short plants?	5	Evaluation




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

Subject: Social Science

Assignment No. : 8

Allotment Date: 31 January 2025

S.NO	QUESTIONS	MARKS	NATURE										
1.	<p>Identify the crop with the help of the following information and choose the correct option.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <ul style="list-style-type: none"> This is the second most important Cereal Crop. This is a Rabi crop. It requires a cool growing season and bright sunshine at the time of ripening. It requires 50 to 75 cm annual rainfall. </div> <p>a. Wheat b. Maize c. Rice d. Sugarcane</p>	1	Information										
2.	<p>Kanta works in an office. She gets her salary regularly at the end of every month. In addition to the salary, she also gets other benefits laid down by the government. In which of the following sector Kanta is working?</p> <p>a. Organised Sector b. Unorganised Sector c. Primary Sector d. Quaternary Sector</p>	1	Understanding										
3.	<p>Two statements are given below as Assertion (A) and Reason (R). Read the Statements and choose the correct option: Assertion (A): Elections are the spirit of democracy. Reason (R): Elections expand Political participation.</p> <p>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 true but R is false. d. A is false but R is true.</p>	1	HOT										
4.	<p>Match Column - A with Column - B and choose the correct option:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Column - A (Subjects)</th> <th style="width: 50%;">Column - B (List/Subjects)</th> </tr> </thead> <tbody> <tr> <td>(I) Defence</td> <td>(1) Concurrent List</td> </tr> <tr> <td>(II) Police</td> <td>(2) Union List</td> </tr> <tr> <td>(III) Marriage</td> <td>(3) State List</td> </tr> <tr> <td>(IV) Computer Software</td> <td>(4) Residuary Subjects</td> </tr> </tbody> </table> <p>a. (I) - (4), (II) - (3), (III) - (1), (IV) - (2)</p>	Column - A (Subjects)	Column - B (List/Subjects)	(I) Defence	(1) Concurrent List	(II) Police	(2) Union List	(III) Marriage	(3) State List	(IV) Computer Software	(4) Residuary Subjects	1	Interdisciplinary
Column - A (Subjects)	Column - B (List/Subjects)												
(I) Defence	(1) Concurrent List												
(II) Police	(2) Union List												
(III) Marriage	(3) State List												
(IV) Computer Software	(4) Residuary Subjects												

	<p>b. (I) - (3), (II) - (4), (III) - (1), (IV) - (2) c. (I) - (4), (II) - (1), (III) - (3), (IV) - (2) d. (I) - (2), (II) - (3), (III) - (1), (IV) - (4)</p>												
5.	<p>Look at the picture given below and select the correct option from the following:</p>  <p>Which of the following aspects best signifies this image of Germania?</p> <p>a. As a protector of Germany b. As a protector of her child c. As a protector of German Rhine d. As a guardian of women's rights</p>	1	Analytical Skill										
6.	<p>Match Column 1 with Column 2 and select the correct option from the following:</p> <table border="1" data-bbox="242 1227 1141 1594"> <thead> <tr> <th>Column 1 (Soil Erosion)</th> <th>Column 2 (Explanation)</th> </tr> </thead> <tbody> <tr> <td>A. Gully Erosion</td> <td>I. Water flows as a sheet over large areas down slope</td> </tr> <tr> <td>B. Wind Erosion</td> <td>II. Ploughing in a wrong way i.e., up and down slope form channels for quick flow of water</td> </tr> <tr> <td>C. Sheet Erosion</td> <td>III. The running water cuts through clayey soils and makes deep channels</td> </tr> <tr> <td>D. Defective methods of farming</td> <td>IV. Wind blows loose soil off flat or sloping land</td> </tr> </tbody> </table> <p>Options:</p> <p>a. A - I, B - II, C - III, D - IV b. A - II, B - III, C - IV, D - I c. A - III, B - IV, C - I, D - II d. A - IV, B - I, C - II, D - III</p>	Column 1 (Soil Erosion)	Column 2 (Explanation)	A. Gully Erosion	I. Water flows as a sheet over large areas down slope	B. Wind Erosion	II. Ploughing in a wrong way i.e., up and down slope form channels for quick flow of water	C. Sheet Erosion	III. The running water cuts through clayey soils and makes deep channels	D. Defective methods of farming	IV. Wind blows loose soil off flat or sloping land	1	Critical Thinking and Problem Solving
Column 1 (Soil Erosion)	Column 2 (Explanation)												
A. Gully Erosion	I. Water flows as a sheet over large areas down slope												
B. Wind Erosion	II. Ploughing in a wrong way i.e., up and down slope form channels for quick flow of water												
C. Sheet Erosion	III. The running water cuts through clayey soils and makes deep channels												
D. Defective methods of farming	IV. Wind blows loose soil off flat or sloping land												
7.	<p>Which among the following statements is not correct regarding the Bhairodev Dakav Sonchuri?</p> <p>a. It includes 1200 hectares of forest land. b. The inhabitants of five villages in the Alwar district of Rajasthan declared this Sonchuri. c. They are protecting the wildlife against any outside encroachments.</p>	1	Evaluation										

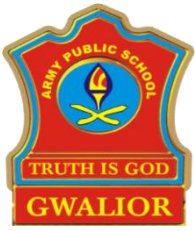
	d. The rules and regulations followed here are declared by the government.		
8.	<p>Which one among the following is a far-reaching change in the Economic Policy of India in 1991?</p> <p>a. Removing barriers on trade b. Putting barriers on foreign trade c. Restrictions on foreign competition d. Protection to domestic and foreign producers</p>	1	Understanding
9.	How can a nation achieve a balance between economic growth and environmental sustainability? Explain by giving any two arguments.	2	Evaluation
10.	Ideas of national unity in the early nineteenth century Europe were closely allied to the ideology of liberalism. Examine the statement.	3	Application
11.	Explain any three institutional reforms taken for the development of Indian agriculture.	3	Evaluation
12.	Cheap and affordable credit is crucial for the country's development. Justify the statement.	3	Analytical Thinking
13.	How did the small pox prove as the most powerful weapon of the Spanish conquerors in the mid-sixteenth century? Explain.	3	Application
14.	Dignity and freedom of peoples are the basis of democracy. Explain the statement.	5	Understanding
15.	The Gandhian idea of Satyagraha emphasized the power of truth and struggle against injustice. Explain the statement with examples.	5	Evaluation
16.	<p style="text-align: center;">(CASE BASED QUESTION)</p> <p>Read the following source and answer the questions that follow:</p> <p style="text-align: center;">Print and Censorship</p> <p>The power of the printed word is most often seen in the way governments seek to regulate and suppress print. The colonial government kept continuous track of all books and newspapers published in India and passed numerous laws to control the press. During the First World War, under the Defense of India Rules, 22 newspapers had to furnish securities. Of these, 18 shut down rather than comply with government orders. The Sedition Committee Report under Rowlatt in 1919 further strengthened controls that led to imposition of penalties on various newspapers. At the outbreak of the Second World War, the Defense of India Act was passed, allowing censoring of reports of war-related topics. All reports about the Quit India Movement came under its purview. In August 1942, about 90 newspapers were suppressed.</p> <p>i. What method did the colonial government employ to keep track of Indian newspapers? (1) ii. How did the colonial government's laws affect the press? (1) iii. Analyse the impact of 'Sedition Committee' on Newspapers. (2)</p>	4	Analytical Skill
17.	<p style="text-align: center;">(MAP BASED QUESTION)</p> <p>a. Two places A and B have been marked on the given political outline map of India. Identify these places with the help of the following information and write their correct names on the lines drawn near them:</p> <p>i. The place where the Indian National Congress Session was held in 1927. ii. The place where Gandhiji organized Satyagraha for the indigo planters.</p> <p>b. On the same political outline map of India, locate and label any two of the following with suitable symbols:</p> <p>i. Salal Dam ii. Ramagundam Thermal Power Plant</p>	4	Information

- iii. Gandhinagar Software Technology Park
- iv. Tuticorin - Sea Port



	<p>entrepreneur.</p> <p>a. Innovation</p> <p>b. Controlling</p> <p>c. Planning</p> <p>d. Marketing</p> <p>vii. One of the following is not a hard skill?</p> <p>a. Finance</p> <p>b. Communication</p> <p>c. Typing</p> <p>d. Accounting</p> <p>viii. What is the aim of communication, in the context of marketing?</p> <p>a. To increase sales</p> <p>b. To satisfy competitors</p> <p>c. To influence the consumer behaviors in favour of firm's products/services</p> <p>d. To ensure maximum attendance of sales personnel on the job</p> <p>ix. Identify the term used for receiver's response to the sender's message?</p> <p>a. Source</p> <p>b. Target</p> <p>c. Feedback</p> <p>d. Media</p> <p>x. When will a salesman EQ be considered good?</p> <p>xi. Johnson baby oil is meant for tiny toddlers. What is it?</p> <p>a) Segmentation b) Targeting</p> <p>c) Positioning d) Manufacturing</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	
2	State any two points of significance of Marketing Mix.	2	Technical skills
3	Enumerate tips for making sales presentations effective.	2	Soft Skills
4	Discuss any four negotiation skills required by salesmen in order to ensure success in their career.	2	Communication skills

5	During the presentation, the customers may raise objections in the form of questions. Such objections need to be tackled by the salesperson cautiously. Discuss how should salesman handle objections related to high price and objections related to procrastination	4	Interpersonal skills
6	Dhwani and Mani are friends working in a company. Dhwani is a sales person and money is a worker engaged in the production process. In a conversation, Mani shared that his job is very monotonous and he is almost always working under direct supervision of his boss. According to him, Dhwani's job is very exciting and has no challenges or difficulties. Assuming yourself to be Dhwani, discuss what challenges are faced by sales person.	4	Interpersonal and Collaborative Skills



ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

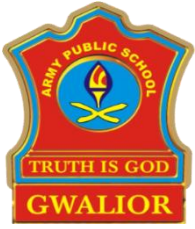


Subject: Multi-Media

Assignment No. : 8

Allotment Date: 31 January 2025

S. No.	QUESTIONS	MARKS	NATURE
1	What is 'Perspective View' in Autodesk maya?	1	Information
2	Define Panel layout in Autodesk maya?	1	Information
3	What is Rendering in 2D/3D animation?	1	Critical Thinking
4	Explain three dimensions of 3D object.	1	Information
5	What is Sculpting in Autodesk maya?	1	Information
6	Define the term: (a) Select Tool (b) Move Tool (c) Rotate Tool (d) Scale Tool (e) VFX / FX (f) UV Editor (g) Attributes (h) Wire frame mode (i) Polygon primitives (j) Lattice	10x1= 10	Understanding
7	What is camera view in Autodesk maya?	2	Understanding
8	Define the Term UVs Mapping?	2	Understanding
9	What is the difference between Shades and Tints?	2	Analytical
10	What is Time-line in animation?	2	Understanding
11	Explain the process of Rigging in animation.	2	Understanding



ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

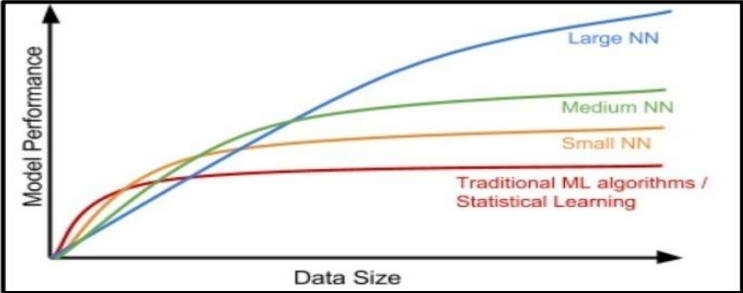
Subject: AI

Assignment No. : 8

Allotment Date: 31 January 2025

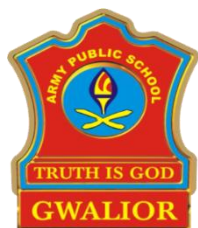
S. No.	QUESTIONS	MARKS	NATURE
1	<p><i>"M D Gulati started with a small shop with his focus, dedication and clear ideas, MDH became one of the most popular brands in India besides having a good reputation all over the world".</i></p> <p>Which self-management skill is clearly visible in the given statement?</p>	1	Understanding
2	<p>When you bring the mouseover a file in File Explorer, it will show the details of that file. This is known as</p> <ul style="list-style-type: none">(a) Drag and drop(b) Double click(c) Hover(d) Single click	1	Understanding
3	<p>Assertion(A):A doctor works for a renowned hospital. Reason(R):The statement given above is an example of wage employment.</p> <ul style="list-style-type: none">(a) Both A and R are correct and R is the correct explanation of A(b) Both A and R are correct but R is NOT the correct explanation of A(c) A is correct but R is not correct(d) A is not correct but R is correct	1	Understanding
4	<p>_____ The work is all about identifying and noting how we spent our time, and analysing how to spend our time effectively.</p> <ul style="list-style-type: none">(a) Organising(b) Prioritising(c) Controlling(d) Tracking	1	Understanding
5	<p>Remya traveled to Sweden from India to pursue her higher education. But she doesn't know how to speak Swedish (language of Sweden). Because of this, she was unable to find a part time job. This is an example of _____</p> <ul style="list-style-type: none">(a) Interpersonal barrier(b) Physical barrier(c) Organisational barrier	1	Understanding

	(d) Linguistic barrier		
6	<p>“Efforts are made to increase the solar power generation so that our electricity needs are met and at the same time we do not pollute the environment or use up natural resources”.</p> <p>Which SDG can you relate this statement to?</p> <p>(a) Life on land (b) Clean water and sanitation (c) Affordable and clean energy (d) Reduced inequalities</p>	1	Understanding
7	<p>Assertion (A)– One can be a good singer while the other can be a great athlete. Reason(R)–Humans possess different types of intelligences but at different levels.</p> <p>(a) Both A and R are correct and R is the correct explanation of A (b) Both A and R are correct but R is not the correct explanation of A (c) A is correct but R is not correct (d) A is not correct but R is correct.</p>	1	Understanding
8	<p>The Indian Government banned a few apps stating – “<i>servers in the hostile nation are receiving and using the acquired data improperly</i>”.</p> <p>Which terminology suits best for this action?</p> <p>(a) AI Ethics (b) Data Privacy (c) AI Bias (d) AI Access</p>		Understanding
9	<p>Statement1:There are four layers in a neural network. Statement2:The first layer of the neural network is known as the output layer.</p> <p>(a) Both Statement 1 and Statement 2 are correct (b) Both Statement 1 and Statement 2 are incorrect (c) Statement 1 is correct but Statement 2 is incorrect (d) Statement 2 is correct but Statement 1 is incorrect</p>	1	Understanding

10	<p>Observe the given graph and fill in the blank:</p>  <p>_____ the neural network, better is the performance.</p>	1	Understanding
11	<p>_____ is a simple file format that stores data separated by commas.</p> <p>(a) jpg (b) doc (c) csv (d) png</p>	1	Understanding
12	<p>A corpus contains 4 documents in which the word 'diet' was appearing once in document 1. Identify the term in which we can categorise the word 'diet'.</p> <p>(a) Stopword (b) Rareword (c) Frequentword (d) Removableword</p>	1	Understanding
13	<p>Read the examples given below-</p> <ol style="list-style-type: none"> i. Using ChatGPT to write an email ii. Face unlock technology of mobile phones using camera iii. Turning off light switch IoT device iv. Hand sanitizer dispenser having sensor <p>Choose the options that are not AI</p> <p>(a) i and ii (b) iii and i (c) iii and iv (d) i, iii and iv</p>	1	Understanding
14	<p>_____ refer to the type of features that we want to collect.</p>	1	Understanding
15	<p>Which of the following is an application of data science?</p> <p>(a) Text summarization (b) Target Advertisements (c) Face lock in smart phones (d) Email filters</p>	1	Understanding

16	<p>_____ is the process of finding instances of real-world objects in images or videos.</p> <p>(a) Instance segmentation (b) Object detection (c) Classification (d) Image segmentation</p>	1	Understanding
17	<p>Identify the given Chatbot type: It learns from its environment and experience. It also builds on its capabilities based on the knowledge. These can collaborate with humans, working along-side them and learning from their behavior.</p>	1	Understanding
18	<p>F1 Score is the measure of the balance between</p> <p>(a) Accuracy and Precision (b) Precision and Recall (c) Recall and Accuracy (d) Recall and Reality</p>	1	Understanding
19	<p>Srishti learnt about AI terminologies but was not able to recollect the term that is used to refer to machines that perform tasks with vast amounts of data using neural networks. Help her with the correct term.</p>	1	Understanding
20	<p>Statement1: The output given by the AI model is known as reality.</p> <p>Statement2: The real scenario is known as Prediction.</p> <p>(a)Both Statement 1 and Statement 2 are correct (b)Both Statement 1and Statement 2 are incorrect (c) Statement 1 is correct but Statement 2 is incorrect (d) Statement 2 is correct but Statement 1 is incorrect</p>	1	Understanding
21	<p>Rajat has made a model which predicts the performance of Indian Cricket players in upcoming matches. He collected the data of players' performance with respect to stadium, bowlers, opponent team and health. His model works with good accuracy and precision value. Which of the statement given below is incorrect?</p> <p>(a) Data gathered with respect to stadium, bowlers, opponent team and health is known as Testing Data. (b) Data given to an AI model to check accuracy and precision is Testing Data. (c) Training data and testing data are acquired in the Data Acquisition stage. (d) Training data is always larger as compared to testing data.</p>	1	Understanding
22	<p>How many channels does a colour image have?</p>	1	Understanding
23	<p>Which feature of NLP helps in understanding the emotions of the people mentioned with the feedback?</p> <p>(a) Virtual Assistants (b) Sentiment Analysis (c) Text classification (d) Automatic Summarization</p>	1	Understanding
24	<p>Sarthak made a face mask detector system for which he had collected the dataset and used all the dataset to train the model. Then, he used the same data to evaluate the model which</p>	1	Understanding

	resulted in the correct answer all the time but was not able to perform with unknown dataset. Name the concept.		
25	<p>Aditi, a student of class XII developed a chatbot that clarifies the doubts of Economics students. She trained the software with lots of data sets catering to all difficulty levels. If any student would type or ask questions related to Economics, the software would give an instant reply. Identify the domain of AI in the given scenario.</p> <p>(a) Computer Vision (b) Data Science (c) Natural Language Processing (d) None of these</p>	1	Understanding



ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)



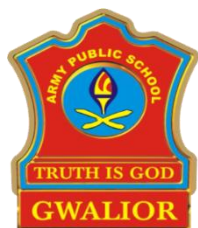
Subject: Physical Activity Trainer
Allotment Date: 31 January 2025

Assignment No. : 8

S. No.	QUESTIONS	MARKS	NATURE
1	Which of these is not common communication barrier? a. Linguistic Barrier b. Interpersonal barrier c. Financial barrier d. Organisational barrier	1	Analytical Skill
2	What is the origin of the word 'communication'? A) From the Greek word "communis" meaning 'common' B) From the Latin word "commūnicāre" meaning 'to share' C) From the French word "communiqué" meaning 'to exchange' D) From the Sanskrit word "sambandha" meaning 'relation'	1	Analytical Skill
3	What is the origin of the word 'communication'? A) From the Greek word "communis" meaning 'common' B) From the Latin word "commūnicāre" meaning 'to share' C) From the French word "communiqué" meaning 'to exchange' D) From the Sanskrit word "sambandha" meaning 'relation'	1	Interdisciplinary
4	What is the aim of the Adventurous Activities mentioned in the passage? A. Enhancing intellectual skills B. Providing relaxation C. Offering thrill and action D. Promoting cultural understanding	1	Understanding
5	What is one of the key recommendations for organizing a proper assembly according to the passage? A. Allowing students to enter the assembly area without any supervision	1	Analytical Skill

	<p>B. Categorizing tasks into before, during, and after the assembly</p> <p>C. Allocating places to classes during the assembly</p> <p>D. Conducting academic lectures during the assembly</p>		
6	<p>What is the primary purpose of assessment in the context of teaching and learning?</p> <p>A. Providing grades to students</p> <p>B. Making judgments about what has been learn and enhancing learning</p> <p>C. Summarizing the entire course content</p> <p>D. Evaluating the quality of instruction</p>	1	Understanding
7	<p>What does formative evaluation primarily aim to achieve?</p> <p>A. Providing closure to the assessment process</p> <p>B. Monitoring students' learning progress and providing ongoing feedback</p> <p>C. Evaluating the outcome of the program</p> <p>D. Identifying students' strengths and weaknesses</p>	1	Information
8	<p>Which formula is used to calculate Body Mass Index (BMI)?</p> <p>A. Weight / Height</p> <p>B. Height / Weight</p> <p>C. Weight x Height</p> <p>D. Weight / Height²</p>	1	Critical Thinking
9	<p>What is a potential disadvantage of excess usage of Free Play?</p> <p>A. Enhanced creativity</p> <p>B. Conflicts among participants</p> <p>C. Better communication skills</p> <p>D. Improved techniques</p>	1	Interdisciplinary
10	<p>What does "Industry Standard" mean in the context of sports equipment selection?</p> <p>A. Equipment made from metal</p> <p>B. Equipment manufactured as per industry guidelines</p> <p>C. Equipment endorsed by famous athletes</p>	1	Information

	D. Equipment with high resale value		
11	<p>Short type question</p> <p>(a) What is the difference between direct and indirect objects in a sentence?</p> <p>(b) What are qualities of an entrepreneur mentioned in the passage?</p> <p>(c) What are the components of Health Related Fitness and how can they be assessed?</p> <p>(d) Define the term 'sport' and explain its characteristics.</p> <p>(e) What does the term 'inventory' refer to in the context of physical education?</p>	5x1 =5	Understanding
12	<p>Answer the following questions in about 20-30 words.</p> <p>1. What are the different components of Physical Education programs conducted by Physical Activity Facilitators?</p> <p>2. Write two advantages and disadvantages of free play.</p>	2x5= 10	Critical Thinking and Problem Solving



ARMY PUBLIC SCHOOL GWALIOR
CLASS - X
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: Health and Physical Education

Assignment No. : 8

Allotment Date: 31 January 2025

S.NO.	Multiple choice questions (question 1 to 4)	SKILLS	MARKS 1X10=10
1.	What is the name of the position that specializes in defense and serve reception? a) Setter b) Libero c) Spiker d) Blocker	Self-awareness	1
2.	How many points are needed to win a set in volleyball (excluding a tiebreaker set)? a) 15 b) 21 c) 25 d) 30	Self-awareness	1
3.	What is the height of the net for men's volleyball? a) 2.24 meters b) 2.43 meters c) 2.34 meters d) 2.50 meters	Decision making	1
4.	What is the maximum number of touches a team is allowed before sending the ball over the net? a) 2 b) 3 c) 4 d) 5	Self-thinking	1
5	Fill in the blanks (question 5 TO 7) The player who sets the ball for the attackers is called the ___.	Self-awareness	1

	(Setter, Smasher)		
6	A match in volleyball is won by the team that wins ___ sets. (03, 05)	Self-thinking	1
7.	The defensive skill used to prevent the ball from hitting the ground is called a ____. (Dig, Pull)	Decision making	1
8	True and False (Question 8 to 10) The Libero is allowed to serve in some volleyball formats.	Problem solving	1
9	A volleyball match is played in a best-of-five sets format.	Decision making	1
10	A team can score points only when they serve.	Problem solving	1



ARMY PUBLIC SCHOOL GWALIOR

CLASS X

SESSION 2024-25

WORKSHEET (SELF ASSESSMENT)



Subject: Information Technology

Allotment Date 31 Jan 2025

CHAPTER : - Part B

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>i. Which of the following features allows one to apply a group of formats at the same time?</p> <p>(a) Fill (b) Styles (c) Images (d) Drag and Drop</p> <p>ii Pushkar has created a drawing using multiple shapes that are arranged in a particular position and manner in his document. Suggest a feature that can be used to let the objects remain set as a collection.</p> <p>(a) Transparency (b) Posterize (c) Grouping drawing objects (d) Ordering drawing objects</p> <p>iii. In Writer, styles and formatting option is available under _____ menu.</p> <p>(a) Insert (b) Tools (c) Format (d) Window</p> <p>iv. In LibreOffice Writer, what term refers to the vertical or horizontal placement of an object or graphics.</p> <p>(a) Flip. (b) Rotate (c) Align (d) Arrange</p> <p>v. LibreOffice Writer supports _____ types of Styles?</p> <p>(a) 5 (b) 4 (c) 3 (d) 6</p> <p>vi. Which option in LibreOffice Writer allows the creation of a new Styles using drag-and-drop method?</p> <p>a) Templates b) Design Mode c) Styles Pane d) None of These</p> <p>vii. Which of the following objects of LibreOffice Base is used to display data retrieved from one or more tables in a presentable manner?</p>	1 x 10=10	Information

	<p>(a) Query (b) Form</p> <p>(c) Report (d) Panel</p> <p>viii. Which of the following uniquely identifies a row in a table?</p> <p>(a) Primary key (b) Alternate key</p> <p>(c) Foreign key (d) Candidate key</p> <p>ix. All the field values that are eligible to be the primary key are the _____ keys for that table</p> <p>x. _____ includes risk from machinery and equipment.</p> <p>(a) Chemical Hazards (b) Biological Hazards</p> <p>(c) Environmental Hazards (d) Physical Hazards</p>		
2	<p>i.. In Open Office Writer, what are the styles? List two Open Office Writer style options.</p> <p>ii.. What do you mean by 'What If' Analysis?</p> <p>iii. How many ways to refer cells in other sheets in Calc?</p> <p>iv. Give any two advantages of relating a table in a database.</p>	2 X 4 = 8	Understanding and Problem Solving
3	<p>i. When we insert any object or image in a LibraOffice Writer document, it can be modified as per requirement. What are the various ways to do so.</p> <p>ii. Why is Goal Seek also called the Back-Solving Method?</p> <p>iii. What do you understand by Cell Reference?</p> <p>iv. Explain any two types of relationship that can be created in LibraOffice Base.</p> <p>v. Give any two electrical safety rules that organizations must follow.</p>	2m X 5 = 10	Critical Thinking
4	<p>i. What is the concept of mail merge in word processing software? Discuss in detail. Also give any two major benefits of using mail merge.</p> <p>ii. A Class X student is participating in a school competition where they need to analyse the performance of different sports teams based on match scores and statistics. The student has collected data over several matches and needs to calculate averages, determine rankings, and generate charts for a presentation.</p> <p>a) How are Macros in Calc helpful to him?</p> <p>b) How to enable Macro in Calc?</p> <p>c) Is solution*word a valid macro name? Justify.</p> <p>d) Mention any one operation which cannot be recorded by macro.</p> <p>iii. In context of LibraOffice Base, explain the concept and significance of the following</p> <p>(a) Table</p> <p>(b) Query</p> <p>(c) Form</p> <p>(d) Report</p>	4m X3= 12	HOT

