



**ARMY PUBLIC SCHOOL GWALIOR**  
**CLASS - X**  
**ACADEMIC SESSION 2025-26**  
**WORKSHEET (SELF –ASSESSMENT)**

**Subject: English**

**Allotment Date: 31 January 2026**

**Assignment No.: 8**

**Marks: 20+20=40**

**PART 1**

**BASIC ( General Questions)**

S. NO.	QUESTIONS	MARKS	NATURE
1	You are Neena/Naveen , a student of Max Public School, Mumbai. You are concerned about the lack of awareness around animal rights . Write a letter to the editor about the need to raise awareness about animal rights among the public.	5	Information
2	<p>The way a crow Shook down on me The dust of snow From a hemlock tree Has given my heart A change of mood And saved some part Of a day I had rued.</p> <p>1.Of the many symbols the hemlock tree represents, choose the one that Frost drew upon in all likelihood, for this poem. Symbol of</p> <p>a) longevity. b) togetherness. c) healing. d) protection.</p> <p>2. Choose the option that lists the possible feelings of the poet prior to the experience shared in the poem.</p> <p>1) reassured 2) disappointed 3) curious 4) demotivated 5) thankful 6) disheartened 7) impulsive</p> <p>a) 1, 3 &amp; 7 b) 2, 4 &amp; 6 c) 5 &amp; 7 d) 1 &amp; 3</p> <p>3.Synecdoche is a poetic device that uses a part to represent the whole. E.g. That's a great set of wheels! (Set of wheels has been used for car.)</p>	4	Understanding

	<p>Pick an example of synecdoche from the poem.</p> <p>a) Has given my heart / A change of mood  b) The way a crow/ Shook down on me  c) The dust of snow / From a hemlock tree  d) And saved some part / Of a day I had rued</p> <p>3. Choose the option showing the reason NOT corresponding with "... a crow / Shook down on me / The dust of snow".</p> <p>a) The crow's landing on the branch of the tree.  b) The shivering of the crow, due to the cold  c) The readjustment of position of the crow on the branch.  d) The cawing of the crow hidden in the foliage.</p> <p>4. As a crow you feel highly injured by the incorrect perception humans have about your species. Imagine yourself to be a crow and write your opinion about this prejudice. Make a case for breaking stereotypes</p>		
3	<p>After having read the lesson on the oppression that communities faced in South Africa, you were deeply hurt. You could also relate to the struggles and hardships of millions of Indians who fought against the oppressive British rule. Write a diary entry expressing your feelings about oppression faced by people in their homeland.</p>	6	Analytical Skills
6	<p>Focus on the themes like power &amp; responsibility, materialism, appearance Vs reality with reference to the chapter "Footprints without Feet".</p>	5	Critical Thinking and Problem Solving

	<p><b>PART II</b>  <b>STANDARD(COMPETENCY BASED QUESTIONS)</b></p>		
1.	<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>	6	Analytical

2.	If the Buddha were to summarise the life lesson of “The Ball Poem”, what would that sermon be? Think and create this address for people of your age.	<b>6</b>	Critical Thinking
3.	Anne wrote in her diary to get things off her chest. List any two reasons why getting things off one’s chest is recommended by counselors as therapeutic.	<b>2</b>	HOTS
4.	Discuss the character arc of Bholi with reference to the chapter “ Bholi” in Footprints without Feet.	<b>6</b>	Critical Thinking



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**WORKSHEET (SELF –ASSESSMENT)**

**Subject: Hindi**

**Allotment Date: 31 January 2026**

**Assignment No.: 8**

**Marks: 20+20=40**

**PART I**

**BASIC(GENERAL QUESTIONS)**

S.NO	QUESTIONS	MARKS	NATURE
01	<p>निम्नलिखित गद्यांशों को पढ़कर नीचे दिए गए प्रश्नों के उत्तर लिखिए –</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। गांधी जी की मान्यता थी कि एक प्रतिष्ठित वकील और हज़ामत बनाने वाले हज़ाम 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>प्रश्न: 1. किसी काम या पेशे के बारे में गांधी जी की मान्यता क्या थी? प्रश्न: 2. गांधी जी सबसे अच्छी कमाई किसे मानते थे? प्रश्न: 3. चंपारण सत्याग्रह के दौरान गांधी जी आध्यात्मिक प्रयोग क्यों कर रहे थे? प्रश्न: 4. गांधी जी लोगों को शारीरिक श्रम का महत्त्व किस तरह समझा रहे थे?</p>	5	Analytical Thinking

	प्रश्न: 5.शारीरिक श्रम को महत्त्व देने और हर काम को समान समझने के पीछे गांधी जी की दूरदर्शिता क्या थी?		
02	निम्नलिखित मुहावरों को अपने वाक्यों में इस तरह प्रयोग कीजिए कि उनका अर्थ स्पष्ट हो जाए।  <ul style="list-style-type: none"> <li>• आँखें चुराना -</li> <li>• आसमान में उड़ना -</li> <li>• आग बबूला होना -</li> <li>• हाथ फैलाना -</li> <li>• सुध-बुध खोना</li> </ul>	5	<b>Critical Thinking and Problem Solving</b>
03	आप 29/5 संस्कार अपार्टमेंट, सेक्टर-14 रोहिणी, दिल्ली के निवासी हैं। आप चाहते हैं कि लोग दीपावली में पटाखों का कम से कम प्रयोग करें। पटाखों से होने वाली हानियों से अवगत कराते हुए नवभारत टाइम्स के संपादक को पत्र लिखिए। (शब्द सीमा लगभग 120 शब्द )	5	<b>Communication Skill</b>
	<b>PART II</b>  <b>STANDARD(COMPETENCY BASED QUESTIONS)</b>		
04	आप कला एवं सांस्कृतिक परिषद् के सचिव मुनीश मोर्य हैं। आपके विद्यालय में एक चित्रकला प्रतियोगिता आयोजित की जानी है, जिसमें प्रथम, द्वितीय और तृतीय स्थान पाने वाले छात्रों को पुरस्कृत किया जाएगा। इससंबंध में सूचना आलेख तैयार कीजिए।	4	<b>Analytical Skill</b>
05	निम्नलिखित वाक्यों को ध्यानपूर्वक पढ़िए और रचना के आधार पर उनका भेद लिखिए  <ol style="list-style-type: none"> <li>1. परिश्रमी मजदूरों को सभी काम पर बुलाते हैं।</li> <li>2. जो लोग धनवान होते हैं, उन्हें गरीबों की मदद करनी चाहिए।</li> <li>3. जैसे ही मोहन आया श्याम ने आगे बढ़कर उसका स्वागत किया।</li> <li>4. उसने अपना आपा खोया और कटुवचन बोलने लगा।</li> </ol>	4	<b>Critical Thinking and Problem Solving</b>
06	ज्ञानदीप कोचिंग सेंटर में छात्रों को प्रवेश लेने हेतु आकर्षित करते हुए एक आकर्षक विज्ञापन तैयार कीजिए।	3	<b>Understanding and Communication</b>

			<b>Skill</b>
<b>07</b>	<p>निम्न लिखित में से किसी एक विषय पर 150 शब्दों में अनुच्छेद लिखिए।</p> <p>(क) आज की आवश्यकता-संयुक्त परिवार अथवा</p> <p>(ख) ग्लोबल वार्मिंग-मनुष्यता के लिए खतरा</p>	<b>5</b>	<b>Understanding</b>
<b>08</b>	<p>निम्न लिखित प्रश्नों के उत्तर दीजिए-</p> <ol style="list-style-type: none"> <li>1. 'सपनों के-से दिन' पाठ के आधार पर बच्चों की पढ़ाई के प्रति अभिभावकों की उदासीनता की समीक्षा करें।</li> <li>2. 'वजीर अली' के चरित्र की विशेषताएँ क्या थीं और उन्हें 'रॉबिन हुड' की उपाधि क्यों दी गई?</li> <li>3. 'सर हिमालय का हमने न झुकने दिया', इस पंक्ति में हिमालय किस बात का प्रतीक है?</li> </ol>	<b>9</b>	<b>Evaluation</b>



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**Subject: Maths**

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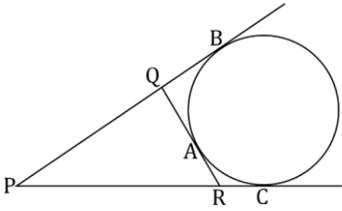
**Assignment No.: 8**

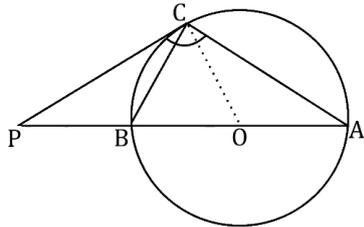
**Marks: 20+20=40**

**PART I**

**BASIC (GENERAL QUESTIONS)**

S. NO.	QUESTIONS	MARKS	NATURE
1.	If the HCF(2520, 6600) = 40 and LCM(2520, 6600) = 252 × k, then the value of k is : (a) 1650 (b) 1600 (c) 165 (d) 1625	1	Critical Thinking
2.	The value of k for which the system of equations $8x - 4y + 10 = 0$ ; $kx - y + 5/2 = 0$ are coincident is: (a) -2 (b) 2 (c) $1/2$ (d) $-1/2$	1	Remember
3.	The ratio of arc lengths of minor sector and major sector is 2 : 7. The angle made by minor arc at the centre of the circle is : (a) $80^\circ$ (b) $60^\circ$ (c) $90^\circ$ (d) $120^\circ$	1	Understanding
4.	If C(-2, 3) is the centre of the circle having the end points A(4, -2) and B(x, 8) of a diameter AB ,  then the value of x is: (a) 8 (b) 6 (c) - 6 (d) - 8	1	Application
5.	In a $\Delta ABC$ , $DE \parallel BC$ , intersecting AB and AC at D and E respectively. If $AD = x$ , $DB = x - 2$ , $AE = x + 2$ and $EC = x - 1$ , then find the value of x . (All the measures are in cm)	2	Understanding
6.	Using the converse of basic proportionality theorem prove that the line joining the mid – points of any two sides of triangle is parallel to the third side.	2	Critical thinking

7.	Find the largest number which exactly divides 70 and 125 leaving remainders 5 and 8 respectively.	2	Understanding
8.	A chord of a circle of radius 7 cm subtends an angle $90^\circ$ at the centre. Find the area of corresponding minor segment of the circle.	2	Application
9.	Prove that $\frac{1}{\sqrt{2}}$ is an irrational	2	Evaluation
10.	The age of Mohan is twice the sum of ages of his two children. After 20 years Mohan will be equal to the sum of ages of his two children. Find the age of Mohan.	3	Analytical
11.	<p>If a circle touches the side QR of PQR at A and sides PQ and PR at B and C, respectively. Prove that <math>PB = \frac{1}{2}(QR + RP + PQ)</math></p> 	3	Application based
<b>PART II STANDARD (COMPETENCY BASED QUESTIONS)</b>			
12.	<p><b>ASSERTION REASON BASED QUESTION</b>  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. (d) Assertion (A) is false but reason (R) is true 1.  <b>Assertion:</b> At a point P of a circle with centre O and radius 12 cm, a tangent PQ of length 16 cm drawn, then <math>OQ = 18</math> cm.  <b>Reason:</b> ) The tangent at any point of a circle is perpendicular to the radius through the point of</p>	1	Understanding

	contact.		
13.	All the aces from the well shuffled deck of 52 card are removed, then a card is drawn at random, the probability that it is a black queen is : (a) $1/12$ (b) $1/24$ (c) $3/12$ (d) $3/24$	1	Evaluation
14.	The ratio of lengths of pole and its shadow is $\sqrt{3} : 1$ , then the angle of elevation of sun is: (a) $60^\circ$ (b) $45^\circ$ (c) $30^\circ$ (d) $90^\circ$	1	Understanding
15.	Two arithmetic progressions have the same common difference. The initial term of one sequence is 5 and that of the other is 12. What is the difference between their 5th terms? (a) 17 (b) 10 (c) 7 (d) 24	1	Application
16.	What is a relation between $x$ and $y$ such that the point $(x, y)$ is equidistant from the point $(3, 6)$ and $(-3, 4)$ ?  (a) $3x - y + 5 = 0$ (b) $3x - y - 5 = 0$ (c) $3x + y + 5 = 0$ (d) $3x + y - 5 = 0$	1	Understanding
17.	A vessel in the form of an inverted cone. Its height is 10 cm and the radius of its top is 5 cm. It is filled with water up to the brim. When lead shots, each of which is a sphere of radius 0.5 cm are dropped into the vessels, one fourth of water flows out. Find the number of lead shots in the vessel.	3	Critical thinking based Question
18.	The tangent at point C of a circle and a diameter AB when extended intersect at P. If $\angle PCA = 110^\circ$ , find $\angle CBA$ .  	3	Analytical Skill based

19.	<p>A cottage industry produces a certain number of pottery articles in a day. It was observed on a particular day that the cost of production of each article (in ₹) was 3 more than twice the number of articles produced on that day. If the total cost of production on that day was ₹ 90, find the number of articles produced and the cost of each article.</p>	5	Critical Thinking
20.	<p>In designing an architectural marvel, a team of architects incorporates trigonometry to ensure precise measurements and angles for optimal structural stability and aesthetics. The team is designing a skyscraper and utilizes trigonometric principles to calculate angles, distances, and heights for various aspects of the building's construction</p> <p>(i) If a tower stands at a height of 300 meters and a person observes the top of the tower from a distance at an angle of elevation of <math>45^\circ</math>, determine the distance between the person and the base of the tower</p> <p>(ii) An architect measures the angle of elevation to the top of a building as <math>60^\circ</math> from a point 50 meters away from the building. Determine the height of the building.</p> <p>(iii) An observer 1.5 metres tall is 20.5 metres away from a tower 22 metres high. Determine the angle of elevation of the top of the tower from the eye of the observer.</p> <p style="text-align: center;">OR</p> <p>An engineer measures the angle of elevation to the top of a cliff as <math>30^\circ</math>. If she moves 100 meters closer to the cliff and measures the angle of elevation as <math>45^\circ</math>, calculate the height of the cliff.</p>	4	Case Study



**ARMY PUBLIC SCHOOL GWALIOR**  
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**WORKSHEET (SELF –ASSESSMENT)**

Subject: Science

Allotment Date: 31 January 2026

Assignment No.: 8

Marks: 20+20=40

**PART I**

**BASIC (GENERAL BASED QUESTION)**

S. NO.	QUESTIONS	MARKS	NATURE
1	MCQ BASED QUESTION Q1. C <sub>3</sub> H <sub>8</sub> belongs to the homologous series of (a) Alkynes (b) Alkenes (c) Alkanes (d) Cyclo alkanes	1	Understanding
	Q2 Which metal is the <b>best conductor of electricity</b> ? a) Aluminium b) Silver c) Gold d) Copper	1	Observation
2	Q3 What happens when magnesium ribbon is burnt in air? Write the chemical equation.	2	Interdisciplinary
	Q4. What is the difference between <b>acquired traits</b> and <b>inherited traits</b> ? Give one example of each.\	2	Understanding
3	Q5 Write the molecular formula of the first four members of the homologous series of alkanes. What is the difference in molecular mass between successive members of this series?	3	HOT
	Q6 How does excessive use of fertilizers and pesticides affect the environment? Suggest two alternatives to reduce their harmful effects.	3	Understanding
	Q7 A 15 Ω resistor and a 30 Ω resistor are connected in series with a 12 V battery. Calculate: a) The total resistance b) The current in the circuit c) The voltage across each resistor	3	Evaluation

5	<p>Q8 a) What is a food web?</p> <p>b) Explain how interconnected food chains help maintain stability in an ecosystem.</p> <p>c) Give examples of at least <b>three organisms</b> forming a simple food web (in words, no diagram).</p>	5	<p>Observation and</p> <p>Analysing</p>
<p><b>PART II</b></p> <p><b>STANDARD (COMPETANCE BASED QUESTION)</b></p>			
7	<p><b>ASSERTION REASON BASED QUESTION</b></p> <p>Directions: In each of the following questions, a statement of Assertion is given and a corresponding statement of Reason is given just below it. Of the statements, given below, mark the correct answer as:</p> <p>(a) Both assertion and reason are true and reason is the correct explanation of assertion.</p> <p>(b) Both assertion and reason are true but reason is not the correct explanation of assertion.</p> <p>(c) Assertion is true but reason is false.</p> <p>(d) Both Assertion and Reason are false.</p> <p><b>Q.1 Assertion (A):</b> Ozone layer protects life on Earth. <b>Reason (R):</b> Ozone layer absorbs harmful ultraviolet (UV) radiation from the sun.</p> <p><b>Q.2 Assertion (A):</b> Current flowing through a conductor is directly proportional to the potential difference across its ends. <b>Reason (R):</b> Resistance of a conductor remains constant if temperature does not change.</p> <p><b>Q3 Assertion (A):</b> Metals are malleable and ductile. <b>Reason (R):</b> Positive metal ions are fixed tightly and cannot move in the metal lattice.</p>	<p>1</p> <p>1</p> <p>1</p>	<p>Real life application</p> <p>Information</p> <p>Understanding</p>
8	<p>Q4 Write the balanced chemical equation for the reaction: Calcium hydroxide reacts with carbon dioxide to form calcium carbonate and water. Also name the type of reaction.</p> <p>Q5 a) Define refractive index. b) How does the refractive index of a medium depend on the speed of light?</p>	<p>2</p> <p>2</p> <p>2</p>	<p>Real life relevance</p> <p>Application</p> <p>Critical Thinking</p>

	Q6. Why do we say that the accumulation of non-biodegradable substances in the environment is more harmful than biodegradable ones?		
9	<p>Q7. Plastic is a carbon compound widely used in daily life but is a major environmental problem. Explain why plastics are so durable and suggest two ways to reduce plastic pollution.</p> <p>Q8 When the direction of current in a current-carrying conductor is reversed, the direction of the magnetic field also reverses. What does this reveal about the relationship between electricity and magnetism?</p>	<p><b>3</b></p> <p><b>3</b></p>	<p>Real life relevance</p> <p>Critical Thinking</p>
10	<p>Q8 a) Explain the magnetic field produced by a current-carrying straight conductor.</p> <p>b) Describe its pattern, the rule used to find its direction, and the factors affecting the strength of the field.</p> <p>c) Draw or describe the necessary diagram in words..</p>	<b>5</b>	<p>critical thinking</p> <p>analysing and reasoning</p> <p>Observation and explanation</p>



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**WORKSHEET (SELF –ASSESSMENT)**

**Subject: Social Science**  
**Allotment Date: 31 January 2026**

**Assignment No.: 8**  
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**(PART-A BASIC GENERAL QUESTION) (20 MARKS)**

<b>S.NO.</b>	<b>QUESTIONS</b>	<b>MARKS</b>	<b>NATURE</b>
<b>1.</b>	<p style="text-align: center;"><b>(MULTIPLE CHOICE QUESTIONS)</b></p> <p>I) What is the significance of 43 percent land under plains?</p> <ul style="list-style-type: none"><li>b. It provides facilities for agriculture and industry.</li><li>c. It provides facilities for tourism.</li><li>d. It ensures perennial flow of some river.</li><li>e. It possesses rich reserves of minerals, fossil fuels and forests.</li></ul> <p>II) Which one of the following banks in India controls the issuance of currency and regulates the credit system in the country?</p> <ul style="list-style-type: none"><li>a. Punjab National Bank</li><li>b. Indian Bank</li><li>c. Reserve Bank of India</li><li>d. State Bank of India</li></ul> <p>III) In which one of the following ways has information and communication technology stimulated the globalisation process the most?</p> <ul style="list-style-type: none"><li>i. Access foods across countries</li><li>ii. Access raw material across countries</li><li>iii. Access services across countries</li><li>iv. Access information instantly across countries</li></ul> <p>IV) In which of the following countries is the participation of women in politics very high?</p> <ul style="list-style-type: none"><li>i. Finland</li><li>ii. Hungary</li><li>iii. Russia</li></ul>	<b>1 × 6 = 6</b>	Information

	<p>iv. Latvia</p> <p>V) Choose the correct option, related to the founders of the Swaraj Party within the Congress.</p> <p>A. Subhas Chandra Bose and Jawaharlal Nehru  B. Acharya Kripalani and Jayaprakash Narayan  C. C.R. Das and Motilal Nehru  D. Mahatma Gandhi and Sardar Patel</p> <p>VI) Who among the following said that Printing is the ultimate gift of God and the greatest one?</p> <p>a. Louis XIV  b. Abraham Lincoln  c. Martin Luther  d. Mahatma Gandhi</p>		
2.	<p><b>(VERY-SHORT ANSWER TYPE QUESTIONS)</b></p> <p>Distinguish between formal and informal sources of credit in India with example.</p>	$2 \times 1 = 2$	Understanding
3.	<p><b>(SHORT ANSWER TYPE QUESTION) (Any 2)</b></p> <p>I) Explain the main features of the Indian federal system.  II) Analyse the development journey of print culture in India.  III) Suggest any five measures to establish the gender equality of labour.  IV) Describe the features of cropping pattern in India.</p>	$3 \times 2 = 6$	Interdisciplinary
4.	<p><b>(LONG ANSWER TYPE QUESTION)</b></p> <p>Analyse the significance of the Napoleonic Code' in making the administrative system rational and efficient</p> <p style="text-align: center;"><b>OR</b></p> <p>How was liberalism allied to national unity in Europe in the early decades of the 19<sup>th</sup> century? Analyse.</p>	$5 \times 1 = 5$	Descriptive
<b>(PART-B STANDARD COMPETENCY QUESTION) (20 MARKS)</b>			

5.

**(MULTIPLE CHOICE QUESTIONS)****1 × 5 = 5****HOTS**

- I) Match Column I with Column II and choose the correct option:

<b>Column I (Minerals)</b>	<b>Column II (Major Mines)</b>
a. Iron ore	i. Gaya
b. Mica	ii. Singarauli
c. Bauxite	iii. Chandrapur
d. Coal	iv. Maikala

- a. a-iii, b-i, c-iv, d-ii  
 b. a-iii, b-i, c-ii, d-iv  
 c. a-ii, b-iii, c-i, d-iv  
 d. a-ii, b-iii, c-iv, d-i

- II) Choose the correctly matched pair from the following:

<b>Options</b>	<b>(Country)</b>	<b>(System)</b>
(A)	Canada	Unitary
(B)	Bolivia	Federal
(C)	Australia	Unitary
(D)	Spain	Federal

- III) Arrange the following historical events in chronological order and choose the correct option:

- I. Second Round Table Conference  
 II. Simon Commission arrives in India  
 III. Beginning of Dandi March  
 IV. Incident of Chauri-Chaura

- a. I, II, III and IV  
 b. IV, II, III and I  
 c. IV, II, I and III  
 d. I, II, IV and III

- IV) Rakhi has done an economic survey of her area. The survey has revealed that people earn their livelihood by doing different jobs. The table prepared by Rakhi for this is given below. Study the table carefully and answer the question that follow:

<b>S.N</b>	<b>Work</b>	<b>No. of People</b>
1.	Farmer working his fields	250
2.	Teachers teaching in school	10
3.	Handloom weavers in his/her house	70
4.	Workers working in big factories	140
5.	Employees working at a hospital in the area	60
	<b>Total</b>	<b>530</b>

How many people are working in the unorganised sector?

- a. 380  
 b. 210

- c. 320
- d. 140

V) Match Column-I with Column-II and choose the correct option:

Column-I (Dam)	Column-II (River)
a. Sardar Sarovar	i. Mahanadi
b. Salal	ii. Chambal
c. Gandhi Sagar	iii. Narmada
d. Hirakud	iv. Chenab

- a. (a) - (ii), (b) - (i), (c) - (iv), (d) - (iii)
- b. (a) - (iii), (b) - (iv), (c) - (i), (d) - (ii)
- c. (a) - (iii), (b) - (iv), (c) - (ii), (d) - (i)
- d. (a) - (i), (b) - (iii), (c) - (iv), (d) - (ii)

**6. (VERY-SHORT ANSWER TYPE QUESTIONS)**

How did reinterpretation of history become a means of creating a sense of nationalism by the end of the 19th century in India? Explain.

**OR**

How did symbols and icons contribute to create a feeling of nationalism among the people in the national movement of India? Explain.

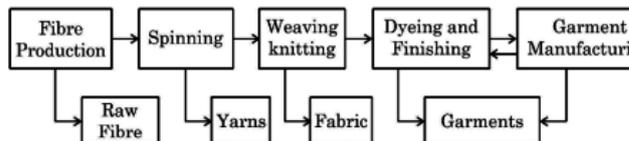
**2 × 1 = 2**

Application Based

**7. (SHORT ANSWER TYPE QUESTION)**

Study the given flow chart and answer the question that follows:

(i)



Explain the added value product in the textile industry on the bases of above flowchart.

**OR**

Study the given flowchart and answer the question that follows:



Explain the steel manufacturing process on the bases of the above flowchart.

**3 × 2 = 6**

Real life Application Based

	<p>(ii) "Democratic governance is responsive to the expectations of citizens." Justify the statement with suitable arguments.</p> <p style="text-align: center;"><b>OR</b></p> <p>"Democracy accommodates social diversity better than dictatorship." Justify the statement with suitable arguments.</p>		
<p><b>8.</b></p>	<p style="text-align: center;"><b>(CASE BASED TYPE QUESTION)</b></p> <p>Read the source given below and answer the questions that follow:</p> <p style="text-align: center;"><b>New Forms of Publication</b></p> <p><b>By</b> the end of the nineteenth century, a new visual culture was taking shape. With the setting up of an increasing number of printing presses, visual images could be easily reproduced in multiple copies.</p> <p>Painters like Raja Ravi Varma produced images for mass circulation. Poor wood engravers who made woodblocks set up shop near the letterpresses, and were employed by print shops. Cheap prints and calendars, easily available in the bazaar, could be bought even by the poor to decorate the walls of their homes or places of work. These prints began shaping popular ideas about modernity and tradition, religion and politics, and society and culture.</p> <p>By the 1870s, caricatures and cartoons were being published in journals and newspapers, commenting on social and political issues. Some caricatures ridiculed the educated Indians' fascination with Western tastes and clothes, while others expressed the fear of social change. There were imperial caricatures lampooning nationalists, as well as nationalist cartoons criticising imperial rule.</p> <p>I. How did the development of printing technology impact visual culture? (1)</p> <p>II. How did Raja Ravi Varma contribute to the mass circulation of art in India? (1)</p> <p>III. How did visual culture shape the memory of the 19th century social landscape? Explain. (2)</p>	<p><b>4 × 1 = 4</b></p>	<p>Critical Thinking</p>

<p>9.</p>	<p align="center"><b>(MAP BASED QUESTION)</b></p> <p>a. Two places 'A' and 'B' have been marked on the 5 given political outline map of India. Identify them with the help of the following information and write their correct names on the lines drawn near them:</p> <p>A. The place where the session of Indian National Congress was held place in 1927.</p> <p>B. The place where Mahatma Gandhi broke the Salt Law.</p> <p>b. On the same political outline map of India, locate and label any three of the following with suitable symbols:</p> <ol style="list-style-type: none"> <li>i. An international airport of West Bengal</li> <li>ii. A software technology park of Karnataka</li> <li>iii. A nuclear power plant located in Maharashtra</li> <li>iv. A major sea port of Odisha</li> </ol> <div data-bbox="311 840 1085 1848" style="border: 1px solid black; padding: 10px;"> <p align="center">भारत का राजनीतिक रेखा-मानचित्र Political Outline Map of India</p> </div>	<p><math>4 \times \frac{1}{2} = 2</math></p>	<p>Understanding</p>
<p>10.</p>	<p align="center"><b>(PICTURE BASED QUESTION)</b></p>	<p><math>4 \times \frac{1}{2} = 2</math></p>	<p>Application Based</p>

I) Look at the picture given below. What does the image of Bharat Mata signify?



- a. Diversity and heritage
- b. Spiritualism and enlightenment
- c. Power and authority
- d. Nationalism and democracy

II) Look at the picture given below. Identify the name of the senior litterateur shown in the image and choose the correct option.



- a) Ram Mohan Roy
- b) Raja Ravi Verma
- c) Lakshminath Bezbaruah
- d) Gangadhar Bhattacharya

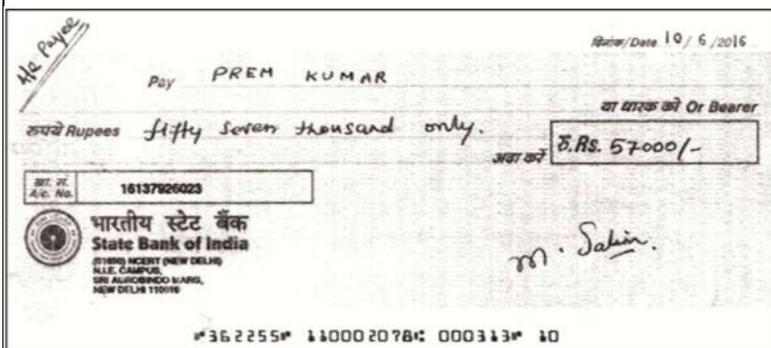
III) Look at the given picture and answer the question that follow:



The work being done in the picture falls under which sector of the economy?

- a. Primary
- b. Quaternary
- c. Secondary
- d. Tertiary

IV) Read the image of the cheque. Identify the cheque number from the given options



- a) 362255
- b) 110002078
- c) 000313
- d) 16137926023



**ARMY PUBLIC SCHOOL GWALIOR**  
**CLASS - X**  
**ACADEMIC SESSION 2025-26**  
**WORKSHEET (SELF –ASSESSMENT)**

**Subject: Multimedia**

**Assignment No.: 8**

**Allotment Date: 31 January 2026**

S.No.	QUESTIONS	MARKS	NATURE
1	What is Texturing Mapping?	1	Information
2	What do you understand by Layers in Photoshop?	1	Information
3	Define the role of Time line in Maya interface?	1	Critical Thinking
4	Define Key-frame in time line.	1	Information
5	Give one example of low Chroma colour?	1	Information
6	Define Term and Hot Keys used in Maya: (a) Primary Colour (b) Secondary Colour (c) Tertiary Colour (d) Chroma (e) Shade (f) NURBS (g) Natural Maps (h) Material Attribute (i) Selection Tool (j) Scale Tool	10x1= 10	Understanding
7	What is the difference between 2D and 3d animation?	2	Understanding
8	Define modelling in animation?	2	Understanding
9	Explain the output parameters in rendering?	2	Analytical
10	What is video editor?	2	Understanding
11	Explain the role of sound editor in animation world.	2	Understanding



**ARMY PUBLIC SCHOOL GWALIOR**  
**CLASS - X**  
**ACADEMIC SESSION 2025-26**  
**WORKSHEET (SELF –ASSESSMENT)**

**Subject: Marketing**

**Assignment No.: 8**

**Allotment Date: 31 January 2026**

S. No.	Question	Nature
<b>SECTION A – OBJECTIVE (10 Marks)</b>		Recall, Accuracy & Decision-Making
1	Which of the following is an example of oral communication? (a) Newspapers (b) Letters (c) Phone call (d) E-mail	Recall
2	What type of words should we use for verbal communication? (a) Acronyms (b) Simple (c) Technical (d) Jargons	Accuracy
3	Which of these is a positive facial expression? (a) Frowning while concentrating (b) Maintaining eye contact (c) Smiling continuously (d) Rolling up your eyes	Decision-Making
4	Market targeting means: (a) Dividing market (b) Identifying customers (c) Selecting segments to serve (d) Selling products	Recall
5	Which of the following is NOT an element of the communication process cycle? (a) Channel (b) Receiver (c) Sender (d) Time	Accuracy
6	A salesperson who communicates technical details to buyers is: (a) Trade salesperson (b) Technical salesperson (c) Missionary salesperson (d) Retail salesperson	Recall
<b>SECTION A – FILL IN THE BLANKS</b>		Recall

7	Marketing mix is of _____ types.	Recall
8	The elements of marketing mix are _____ to one another as decision in one affects another.	Understanding
9	_____ refers to the amount of money customers pay to buy a product.	Recall
10	The aim of negotiation is to reach a _____ outcome.	Understanding
11	The 4Ps of marketing were introduced by _____.	Recall
<b>SECTION A – VERY SHORT ANSWER</b>		Comprehension
12	The two broad categories of markets are _____ and _____.	Recall
13	Which pricing strategy is used for exclusive products?	Understanding
14	What is market segmentation?	Comprehension
15	Which segmentation is based on age, gender and income?	Recall
16	What is meant by target market?	Comprehension
<b>SECTION B – SUBJECTIVE (15 Marks)</b>		Comprehension & Critical Thinking
17	What do you mean by prospecting?	Comprehension
18	Discuss the various sources of information used by the salesperson to collect data regarding the prospect.	Critical Thinking
19	Explain any two bases of positioning with suitable examples.	Application
20	Why is training important for salesforce?	Reasoning
21	List various qualities of a prospect.	Recall & Expression

22	Why does a salesperson need a presentation?	Critical Thinking
23	Define demonstration. List any three examples of demonstration.	Application
<b>LONG ANSWER (Answer any one)</b>		Problem-Solving & Expression
24	Explain the steps involved in the sales process.	Analytical
25	Describe any five qualities of a good salesperson.	Analytical



**ARMY PUBLIC SCHOOL GWALIOR**  
**CLASS - X**  
**ACADEMIC SESSION 2025-26**  
**WORKSHEET (SELF –ASSESSMENT)**

**Subject: Artificial Intelligence**

**Assignment No.: 8**

**Allotment Date: 31 January 2026**

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>(i) What is the range of the Compound Score?</p> <p>a) -1 to 0 b) -1 to +1 c) 0 to +1 d) 0 to 100</p> <p>(ii) The IMDb database was first published in:</p> <p>a) 1990 b) 1998 c) 2000 d) 1995</p> <p>(iii) What is the full form of IMDb?</p> <p>a) Internet Media Database b) International Movie Database c) Internet Movie Database d) International Music Database</p> <p>(iv) In greyscale images, a pixel value of 255 represents:</p> <p>a) Black b) White c) Gray d) Transparent</p>	1 x 4=4	Information
2	<p>Define the following:</p> <p>(i) Computer Vision (ii) NLP (iii) Image Processing (iv) Confusion Matrix</p>	2 X 4 = 8	Understanding and Problem Solving
3	<p>(i) Explain term clustering. (ii) How does neural network work? (iii) Explain unsupervised learning approach with an</p>	2m X 3 = 6	Critical Thinking

	example.		
<b>4</b>	(i) Explain five stages of NLP. (ii) Explain all stages of AI project cycle (iii) What do you understand by term text classification?	4m X3= 12	HOT



**ARMY PUBLIC SCHOOL GWALIOR**  
**CLASS - X**  
**ACADEMIC SESSION 2025-26**  
**WORKSHEET (SELF –ASSESSMENT)**

**Subject: Data Science**

**Assignment No.: 8**

**Allotment Date: 31 January 2026**

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>(i) State whether the relationship “Data Deletion=Data Destruction” is True or False.</p> <p>a) True b) False</p> <p>(ii) Which pillar of Data governance deals with regulatory requirements of a country?</p> <p>a) Security b) Ethics c) Privacy d) Quality</p> <p>(iii) The measures of Central Tendency include:</p> <p>a) Mean b) Median c) Mode d) All of these</p> <p>(iv) Which of the following is not a step in Data Management Life Cycle?</p> <p>a) Organize b) Utilize c) Prioritize d) Destroy</p>	1 x 5=5	Information

<b>2</b>	Define the following: (i) Data Merging (ii) Inner join (iii) Equijoin (iv) Dat Security	$2 \times 4 = 8$	Understanding and Problem Solving
<b>3</b>	(i) What is data governance Framework? (ii) Why is data destruction important? When should data be discarded? (iii) What do you understand by term ethics in data science?	$2m \times 3 = 6$	Critical Thinking
<b>4</b>	(i) How can bias affect a statistical problem – solving process? (ii) Explain Percentile, Quartiles and Deciles with examples. (iii) Explain the complete data life cycle management process in detail.	$4m \times 3 = 12$	HOT



**ARMY PUBLIC SCHOOL GWALIOR**  
**CLASS - X**  
**ACADEMIC SESSION 2025-26**  
**WORKSHEET (SELF –ASSESSMENT)**

**Subject: Information Technology**  
**Allotment Date: 31 January 2026**

**Assignment No.: 8**

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>	1 x 10=10	Information

	<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> <p>(a) Query (b) Form (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 (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 (c) Environmental Hazards (d) Physical Hazards</p>		
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<b>2</b>	<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
<b>3</b>	<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
<b>4</b>	<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>	4m X3= 12	HOT

	<p>d) Mention any one operation which cannot be recorded by macro.</p> <p>iii. In context of LibreOffice Base, explain the concept and significance of the following</p> <ul style="list-style-type: none"><li>(a) Table</li><li>(b) Query</li><li>(c) Form</li><li>(d) Report</li></ul>		
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