



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



Subject: English
Allotment Date: 31 December 2025

Assignment No.: 7
Marks: 20+20=40

PART I

BASIC(GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE																					
Q1	You recently went bungee jumping. Write a brief description of the event on the basis of the following points. (100-120words)	4	Application																					
Q2	There is an error in each line. Write the error and the correction in the answer sheet as given below: <table style="margin-left: auto; margin-right: auto;"><tr><td></td><td style="text-align: center;">Error</td><td style="text-align: center;">Correction</td></tr><tr><td>There is more than 6000 million people</td><td style="text-align: center;">.....</td><td style="text-align: center;">.....</td></tr><tr><td>live on our planet Earth. The</td><td style="text-align: center;">.....</td><td style="text-align: center;">.....</td></tr><tr><td>Earth provide us with the air to.</td><td style="text-align: center;">.....</td><td style="text-align: center;">.....</td></tr><tr><td>breath, food to eat and water to.</td><td style="text-align: center;">.....</td><td style="text-align: center;">.....</td></tr><tr><td>drink. It give us materials to</td><td style="text-align: center;">.....</td><td style="text-align: center;">.....</td></tr><tr><td>build homes or shelter as well as for clothes.....</td><td style="text-align: center;">.....</td><td style="text-align: center;">.....</td></tr></table>		Error	Correction	There is more than 6000 million people	live on our planet Earth. The	Earth provide us with the air to.	breath, food to eat and water to.	drink. It give us materials to	build homes or shelter as well as for clothes.....	6	Understanding
	Error	Correction																						
There is more than 6000 million people																						
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build homes or shelter as well as for clothes.....																						
Q3	Answer the following questions in 30-40 words: a) Kathmandu and Innisfree are places with two very different natures. Elucidate with reference from the chapters. b) A Slumber Did My Spirit Seal, express the significance of the title.	(2x3=6)	Evaluation																					
Q4	Complete the story in 100-120 words which begins as follows. When Karan reached near his house from the school, he saw a crowd gathered there. Shocked.....	4	Analytical Skill																					
	PART II STANDARD (COMPETENCY BASED QUESTIONS)																							
Q1	What has been referred to as 'slumber'? Why did the poet do so?	4	Analytical Skill																					
Q2	Read the following extract and answer the questions that follow. A slumber did my spirit seal – I had no human fears. She seemed a thing that could not feel The touch of earthly years. 1. The poetic device used in line 1 of the extract is.....(alliteration/assonance) 2. What does the phrase 'I had no human fears' indicate? 3. The phrase 'The touch of earthly years' means.	6	Competency																					

	<p>a) Active and living b) Life on earth c) The touch of beauty of the Earth d) None of the above</p> <p>4. How does the poet describe the initial state of the spirit in the poem?</p> <p>5. What is the rhyming scheme of this poem? a) Abab b) Abcd c) No rhyme scheme d) Abcd</p> <p>6. Identify the poetic device in the last line. “The touch of earthly years” a) Metaphor b) Personification c) Enjambment d) Repetition</p>		
Q3	Suppose Vikram Seth went to Rameshwaram, Kalam’ s home town. He writes a blog on his visit to the holy town and compares it to his visit to the two temples in Kathmandu. Frame the blog for him.	5	Critical thinking
Q4	Explain: ‘The touch of earthly years.’	5	HOTS

	<p>किसान बैंक से कर्ज़ लेते हैं।</p> <p>क्या पक्षी आकाश में उड़ रहे हैं?</p>		
	<p>PART II</p> <p>STANDARD(COMPETENCY BASED QUESTIONS)</p>		
4	<p>दिए गए चित्र को देखकर 50-60 शब्दों में उनका वर्णन कीजिए।</p> <p>4.</p> 	5	Analytical Skill
5	<p>निम्नलिखित में से किसी एक विषय पर 80 - 100 शब्दों में अनुच्छेद लिखिए।</p> <p style="text-align: center;">अभ्यास का महत्त्व</p> <p style="text-align: center;">अथवा</p> <p style="text-align: center;">वन और पर्यावरण का सम्बन्ध</p>	6	Critical Thinking and Problem Solving
6	<p>निम्नलिखित प्रश्नों के उत्तर दीजिए-</p> <p>1. जब शुक गाता है, तो शुकी के हृदय पर क्या प्रभाव पड़ता है?</p> <p>2. अग्नि पथ' कविता को आप अपने जीवन के लिए कितनी उपयोगी मानते हैं?</p> <p>3. कवि एक घर पीछे या दो घर आगे क्यों चल देता है?</p>	9	Evaluation



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Subject: Mathematics
Allotment Date: 31 December 2025

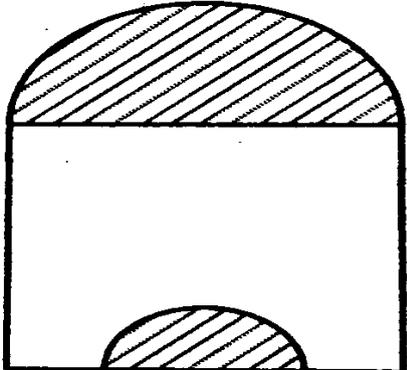
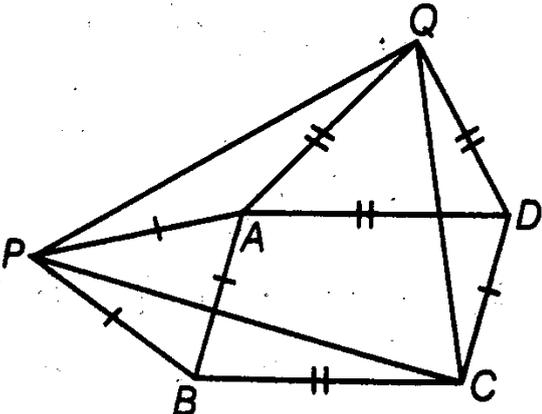
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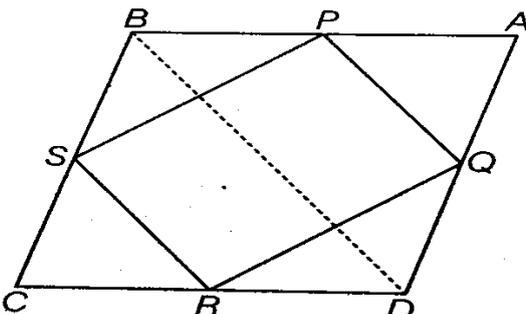
PART I

BASIC (GENERAL QUESTIONS)

SNO.	QUESTIONS	MARKS	NATURE
1.	The radius of a cone is 3 cm and vertical height is 4 cm. Then, the area of curved surface is (a) 47.14cm^2 (b) 42.15 cm^2 (c) 41.74 cm^2 (d) 44.17 cm^2	1	Knowledge
2.	The diameter of a cone whose height and slant height are respectively 12 cm and 20 cm is (a) 28 cm (b) 32 cm (c) 36 cm (d) 42 cm	1	Understanding
3.	The volume of a right circular cone of height 9 cm is $27\pi\text{ cm}^3$, then the diameter of its base is (a) 12cm (b) 9cm (c) 6 cm (d) 5.4cm	1	Problem Solving
4.	A diagonal of a parallelogram divides into two triangles. The triangles formed are (a) Congruent (b) similar (c) does not have equal area (d) none of these	1	Analytical
5.	Prove that diagonals of a parallelogram divides it into two congruent triangles.	2	Application
6.	D, E and F are respectively the mid points of the sides AB, BC and AC of a triangle ABC. Prove that by joining these mid points D, E and F the $\triangle ABC$ is divided into four congruent triangles.	2	Skill Based
7.	If the volume of a sphere is divided by its surface area, then the result is 27. Find the radius of the sphere.	2	Analytical / problem solving
8.	The radius of the sphere is 5 cm. If the radius is increased by 20%,. Then find by how much per cent volume is increased.	2	Skill Based

9.	If volume and surface area of a sphere is equal, then find its radius.	2	Conceptual
10.	The heights of two cylinders are in ratio 5:3 and their radii are in ratio 2:3. Then, find the ratio of their curved surface area .	3	Critical Thinking
11.	P and Q are the mid-points of the opposite sides AB and CD of a parallelogram ABCD. AQ intersects DP at S and BQ intersects CP at R. Show that PRQS is a parallelogram.	3	Analytical
PART II STANDARD (COMPETENCY BASED QUESTIONS)			
12.	If the perimeter of a parallelogram ABCD is 32 cm and one of its side AD = 7 cm, then what is the length of AB (a) 7cm (b) 8cm (c) 9cm (d) 10cm	1	Conceptual Based
13.	If ABCD is a parallelogram , P is a point on AD such that AP = $\frac{1}{3}$ AD and Q is a point on BC such that CQ = $\frac{1}{3}$ BC, then APCQ is a (a) Rhombus (b) Rectangle (c) Parallelogram (d) Square	1	Problem Solving
14.	A semi-circular sheet of metal of diameter 28 cm is bent into an open conical cup. Then the capacity of the cup is (a) 522.26 cm^3 (b) 622.16 cm^3 (c) 722.26 cm^3 (d) 822.26 cm^3	1	Problem Solving
15.	The radius of a cone is 4 cm and the height is 15 cm. An ice cream seller keeps $\frac{1}{4}$ of it's empty. What is the volume is (in cm^3) of the empty part of the cone? (a) 12π (b) 15π (c) 19π (d) 20π	1	Critical Thinking

16.	<p>ASSERTION:- A shot put in a metallic sphere of radius 4 cm. If the density of the metal is 10g per cm^3, the mass of the shot put is 2 kg.</p> <p>REASON:- Volume of the sphere is $\frac{4}{3}\pi r^3$</p> <p>(a) Both Assertion and Reason are true and reason is the correct explanation of assertion (b) Both assertion (A) and reason (R) are true but reason (R) is 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>	1	Creative
17.	<p>Two hemispherical domes are to be painted as shown in the given figure. If the circumferences of the bases of the domes are 17.6 cm and 70.4 cm respectively, find the cost of painting at the rate of Rs 10 per cm^2.</p> 	3	Application / Analytical
18.	<p>In the parallelogram ABCD of the given figure, $\angle PAQ$ is an obtuse angle. Two equilateral triangles ABP and ADQ are drawn outside the parallelogram. Prove that $\triangle CPQ$ is also an equilateral triangle.</p> 	3	Analytical/ Problem Solving

<p>19.</p>	<p>The maths teacher in class IX gave students coloured papers made by recycling of waste products in shape of quadrilateral. She asked them to make a parallelogram by folding the papers.</p> <p>Then the teacher ask them some questions,</p> <p>(a) How can a parallelogram be formed by using paper folding? (b) What condition lies between PQ and BD? (c) Show that $SR = \frac{1}{2} BD$</p> <p>OR</p> <p>Show that PQ and SR are equal.</p> 	<p>4</p>	<p>Analytical</p>
<p>20.</p>	<p>PQ and RS are two equal and parallel line segments. Any point M not lying on PQ or RS is joined to Q and S and lines through parallel to QM and through R parallel to SM meet at N. Prove that line segments MN and PQ are equal and parallel to each other.</p>	<p>5</p>	<p>Problem Solving</p> <p>Skill Based</p>



ARMY PUBLIC SCHOOL GWALIOR
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Subject: Science
Allotment Date: 31 December 2025

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PART I

BASIC (GENERAL BASED QUESTION)

S. NO.	QUESTIONS	MARKS	NATURE
1	MCQ BASED QUESTION Q1. When is work said to be done by a force? A. When displacement occurs in any direction B. When force acts but displacement is zero C. When force produces displacement in the direction of force D. When the object moves without any force	1	Observation
	Q2 A body is lifted by 5 m against gravity. The work done depends on: A. Only the distance lifted B. Only the mass of the body C. Both mass and height D. Neither mass nor height	1	Understanding
2	Q3.Explain how genetic improvement of crops helps in increasing food production.	2	Interdisciplinary
	Q4. What is the role of nitrogen-fixing bacteria in soil fertility?	2	Understanding
3	Q5 a)A stone of mass 2 kg is thrown upwards with a kinetic energy of 50 J. b) A force of 50 N acts on a body but produces no displacement.	3	Evaluation
	Q6 Farmers often use different methods to improve the yield and quality of crops. (a) What is hybridisation in crop improvement? (b) How does manure differ from fertiliser in improving soil fertility?	3	HOT
	Q7. a) Define binding energy and binding energy per nucleon. b) Why does iron have the highest binding energy per nucleon? c) Why are atoms electrically neutral? Explain using the structure of an atom.	3	Understanding

4	<p>A worker lifts a bucket of water using a rope from a well. Sometimes the bucket swings, and sometimes it moves straight up.</p> <p>a) When is the maximum work done on the bucket? b) How does the direction of force and displacement affect work? c) What type of energy does the bucket gain as it rises? d) If the worker lifts the bucket faster, how does the power change? Explain.</p>	5	<p>Observation and Interdisciplinary Understanding</p>
<p>PART II STANDARD(COMPETANCE BASED QUESTION)</p>			
6	<p>ASSERTION REASON BASED QUESTION 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: (a) Both assertion and reason are true and reason is the correct explanation of assertion. (b) Both assertion and reason are true but reason is not the correct explanation of assertion. (c) Assertion is true but reason is false. (d) Both Assertion and Reason are false.</p> <p>Q.1. Assertion (A): Excessive use of chemical fertilisers can reduce soil fertility. Reason (R): Chemical fertilisers increase the growth of all microorganisms in the soil.</p> <p>Q.2 Assertion (A): The nucleus of an atom contains most of its mass. Reason (R): Electrons have negligible mass compared to protons and neutrons.</p> <p>Q3 Assertion (A): Vermicompost improves soil fertility. Reason (R): Earthworms decompose organic matter and enrich the soil with nutrients.</p>	<p>1 1 1</p>	<p>Real life application Understanding Information</p>
7	<p>Q4 a) In urban areas, rooftop gardening is becoming popular. Q5 A 2 kg block rests on a frictionless horizontal surface. It is pulled by a constant horizontal force of 10 N for a distance of 5 m. (a) How much work is done by the force? (b) What is the change in the kinetic energy of the block? (c) What is the final speed of the block if it starts from rest? Q6. A)If the nucleus of an atom is about 10^{-15}m in radius, and the atom's radius is about 10^{-10}m, what does this tell you about the structure of an atom? b) Why is the nucleus stable even though it contains positively charged protons that repel each other?</p>	<p>2 2 2</p>	<p>Real life relevance Reasoning Critical Thinking</p>



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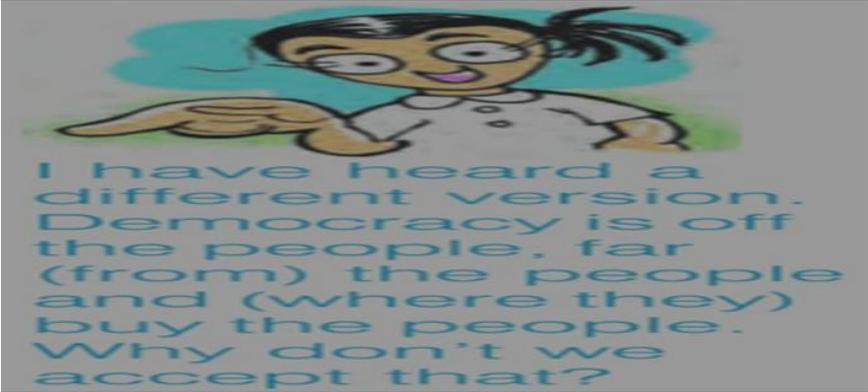


Subject: Social Science
Allotment Date: 31 December 2025

Assignment No.: 7
Marks: 20+20=40

(PART-A BASIC GENERAL QUESTIONS) (20 MARKS)

S.NO.	QUESTIONS	MARKS	NATURE
1.	<p style="text-align: center;">(MULTIPLE CHOICE QUESTIONS)</p> <p>(i) Which of the following arguments do not support the idea that high level of buffer stocks of food grains is very undesirable?</p> <ul style="list-style-type: none">(a) High carrying costs.(b) Waste of food grains.(c) Deterioration in grain quality.(d) Proper and best maintenance of food grains. <p>(ii) Minimum Support Price is announced by the government to provide:</p> <ul style="list-style-type: none">(a) incentives to farmers(b) incentives to middlemen(c) incentives to government officials(d) none of the above <p>(iii) Antyodaya Anna Yojana (AAY) and Annapurna Scheme (APS) are linked with :</p> <ul style="list-style-type: none">(a) public distribution system(b) mid-day meal(c) special nutrition programme(d) none of the above	1x6=6	INFORMATION

	<p>(iv) What was the reason given by America for imprisoning people at Guantanamo Bay?</p> <p>(a) They had been caught spying.</p> <p>(b) They were planning to kill the US President.</p> <p>(c) They were planning to set up a Communist government in USA.</p> <p>(d) America considered them as enemies and linked them to the attack on New York on 11th September, 2001.</p> <p>(v) What was the result of the intervention of other countries to stop the killings of Albanians?</p> <p>(a) Milosevic lost power and was tried for crimes against humanity</p> <p>(b) The other countries were punished by UNO for interfering in another country</p> <p>(c) Led to further army action by Milosevic</p> <p>(d) None of the above</p> <p>(vi) Which of these statements about the relationship between democracy and rights is more valid?</p> <p>(a) Every country that is a democracy gives rights to its citizens</p> <p>(b) Every country that gives rights to its citizens is a democracy</p> <p>(c) Giving rights is good, but it is not necessary for a democracy</p> <p>(d) All the above</p>		
2.	<p style="text-align: center;">(VERY SHORT ANSWER TYPE QUESTIONS)</p>  <p>I have heard a different version. Democracy is off the people, far (from) the people and (where they) buy the people. Why don't we accept that?</p> <p>Q. I have heard a different version. Democracy is off the people far (from) the people and (where they) buy the people. Why don't we accept that?</p>	2X1=2	UNDERSTANDING

3.	<p align="center">(SHORT ANSWER TYPE QUESTIONS)</p> <p>(i) 'India is a secular state'. Justify by giving examples. (ii) Do we need food security? Discuss this in the context of India.</p>	3X2=6	INTERDISCIPLINARY
4.	<p align="center">(LONG ANSWER TYPE QUESTIONS)</p> <p>"Saudi Arabia is not a democratic country". Justify. Mention any two rights which are enjoyed by the Indian citizens but not by citizens of Saudi Arabia.</p>	5X1=5	DESCRIPTIVE

(PART-B STANDARD COMPETENCY BASED QUESTION) (20 MARKS)

1X5=

5



(i) Which Fundamental Right is being violated?

- (A) Right to Freedom
- (B) Right against Exploitation
- (C) Right to Equality
- (D) Right to Education



(ii) This image violates which Fundamental Right?

- (A) Right to Equality
- (B) Right to Freedom
- (C) Right to Religion
- (D) Right to Education



(iii) Approaching this institution ensures which Fundamental Right?

- (A) Right to Equality**
- (B) Right to Constitutional Remedies**
- (C) Right to Freedom**
- (D) Right against Exploitation**

(iv) Consider the following statements:

- 1. Buffer stock is maintained by the Food Corporation of India (FCI).**
- 2. Public Distribution System (PDS) supplies food grains at subsidized rates.**
- 3. The Green Revolution increased the production of wheat and rice in India.**

Which of the above statements are correct?

- (a) 1 and 2 only**
- (b) 2 and 3 only**
- (c) 1, 2 and 3**
- (d) 1 only**

(v) Consider the following statements:

- 1. Food security means availability, accessibility, and affordability of food.**
- 2. Natural disasters like droughts and floods can affect food security.**
- 3. India imports most of its food grains to ensure food security.**

Which of the above statements is/are correct?

- (a) 1 and 2 only**
- (b) 2 and 3 only**
- (c) 1 only**
- (d) 1, 2 and 3**

6	(VERY SHORT ANSWER TYPE QUESTION)	2X2= 4	APPLICATIO N BASED
	<p>(i) A farmer in Bihar faces crop failure due to floods. His family depends on ration shops for food. Which government system ensures food availability to his family, and how does it work?</p> <p>(ii) A journalist is arrested for criticizing government policies. Which Fundamental Right is violated here? Explain briefly.</p>		

7	<p>(SHORT ANSWER TYPE QUESTION)</p> <p>(i) After the Green Revolution, India became self-sufficient in food grains. Apply this example to explain how technology and innovation can solve food insecurity problems today. OR</p> <p>A poor household in Kolkata buys wheat at ₹2/kg from a ration shop. Identify the scheme under which this is possible. How does it help in reducing hunger?</p> <p>(i) A citizen approaches the Supreme Court after being denied her rights. Which Fundamental Right empowers her to do so? Why is it called the “heart and soul” of the Constitution? OR</p> <p>A school refuses admission to a child because she belongs to a Scheduled Caste. Which Right is being denied? Why is this Right important for social justice?</p>	3X2= 6	REAL LIFE APPLICATION BASED
8	<p>(CASE BASED TYPE QUESTIONS)</p> <p>In a democratic country, citizens enjoy certain Fundamental Rights that protect their freedom and dignity. These rights include equality before</p>	4X1= 4	CRITICAL THINKING

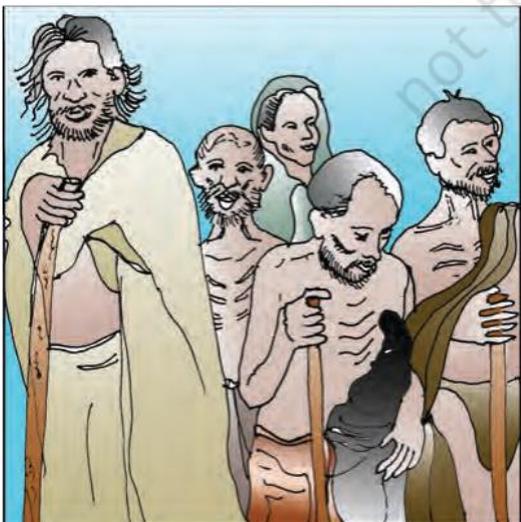
law, freedom of speech and expression, freedom of religion, protection against exploitation, and the right to constitutional remedies. Imagine a situation where a group of workers in a factory is forced to work for long hours without proper wages, and children below 14 years are also employed in hazardous conditions. At the same time, a newspaper that reports these violations is banned by the government, and the editor is arrested for criticizing official policies. Later, the workers approach the Supreme Court to seek justice. This situation highlights how multiple rights can be violated at the same time, and how the judiciary plays a crucial role in protecting citizens. The Constitution ensures that no authority can take away these rights, and citizens can always approach the courts if they feel their rights are denied.

Questions

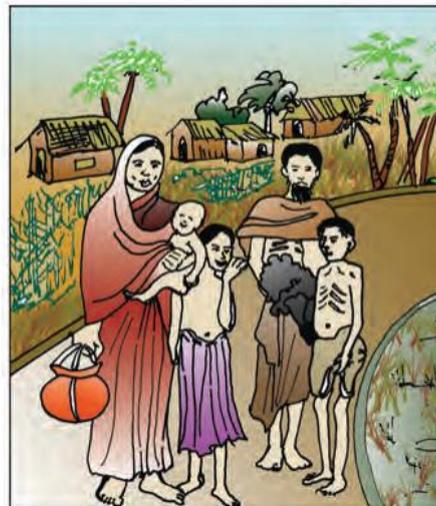
1. Fundamental Right is violated when children below 14 years are employed in hazardous industries? Explain
2. Which Right is denied when the newspaper is banned for criticizing the government?
3. Right to Constitutional Remedies called the “heart and soul” of the Constitution? Give answer in one line.
4. How does the judiciary safeguard citizens in such situations?

(PICTURE BASED QUESTION)

9



Picture 4.1 Starvation victims arriving at a relief centre, 1945.



Picture 4.2 During the Bengal Famine 1943, a family leaves its village in Chittagong district in Bengal.

2X1=
2

APPLICATIO
N BASED

Q. Can you imagine the source of livelihood of the people, (shown in two Pictures) before the occurrence of famine? (In the context of a village)

	Q. Have you ever helped such victims (in the form of money, food, clothes, medicines etc.)		
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CLASS - IX
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WORKSHEET (SELF –ASSESSMENT)



Subject: Music

Assignment No.: 7

Allotment Date: 31 December 2025

S. NO.	QUESTIONS	MARKS	NATURE
1	What type of song is "Tu pyar ka sagar hai "? a) Patriotic b) Prayer	1	Informative
2	Tu pyar ka ____sagar hai? a) gagar b) sagar	1	Informative
3	Sagar ____ka tu hai? a) Daya b) shama	1	Informative
4	Tere pyar ke ____ main ? a) sagar b) Taal	1	Informative
5	Hum ____ chahate hai ? a) Terana b) Dubna	1	Informative
6.	____ mile sagar ki ? a) Gahrai b) uchai	1	Informative
7.	Uchai milesagar ki mule ____ ki ? a) Aasama b) Badalo	1	Informative
8.	How many part are there in congo? a) 2	1	Informative

	b) 3		
9,	Soul beat is played with which type of music ? a) western music b) Light music	1	Informative
10.	How many types are there in soul beats? a) A lot of b) Not evan one	1	Informative



ARMY PUBLIC SCHOOL GWALIOR
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WORKSHEET (SELF –ASSESSMENT)



Subject: Work Education

Assignment No.: 7

Allotment Date: 31 December 2025

S. NO.	QUESTIONS	MARKS	NATURE
1	What is Gond Art? A. Gond art is a form of tribal art B. Gond art is a form of contemporary art. C. Gond art is a form of impressionism art. D. Gond art is a form of pop art.	1 mark	Creative Skills
2	Which state is famous for Gond painting? A. Madhya Pradesh B. West Bengal C. Uttarakhand D. Uttar Pradesh	1 mark	Creative Skills
3	What Colours are used in Gond art? A. Bright colours B. Dark colours C. Secondary colours D. Primary colours	1 mark	Creative Skills
4	Which among these is not a type of Gond style? A. Brilliant hues B. Three-dimensional effect C. Colours derived from natural sources D. Torn texture	1 mark	Creative Skills

5	<p>Who invented Gond art?</p> <p>A. Pablo Picasso</p> <p>B. Gustav Klimt</p> <p>C. Johannes Vermeer</p> <p>D. Jangarh Singh Syam</p>	1 mark	Creative Skills
6.	<p>Which material is not required in Still painting?</p> <p>A. Pencil</p> <p>B. Brushes</p> <p>C. Oil Paints/ Watercolours</p> <p>D. Paper (Canvas/Ivory/Normal drawing paper)</p>	1 mark	Creative Skills
7	<p>What is unique about Gond art?</p> <p>A. Lines</p> <p>B. Balance</p> <p>C. Rhythm</p> <p>D. Texture</p>	1 mark	Creative Skills
8	<p>Colours are derived from _____ in Gond art.</p> <p>A. Natural sources</p> <p>B. Man-made sources</p> <p>C. Artificial sources</p> <p>D. None of the above</p>	1 mark	Creative Skills
9	<p>Painting is a traditional art of Madhya Pradesh and belongs to the _____ tribe</p> <p>A. Agariya</p> <p>B. Andh</p> <p>C. Gond</p> <p>D. Bhaina</p>	1 mark	Creative Skills

10



A



B



C



D

1 mark

Creative Skills



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



Subject: Health and Physical Education

Assignment No.: 7

Allotment Date: 31 December 2025

S.NO.	Multiple choice questions (question 1 to 4)	SKILLS	MARKS 1X10=10
1.	Which part of the body is not allowed to touch the ball (except goalkeeper)? a) Head b) Chest c) Leg d) Hand	Self-awareness	1
2.	What is the duration of a standard football match? a) 60 minutes b) 70 minutes c) 80 minutes d) 90 minutes	Self-awareness	1
3.	Who controls the match and enforces the rules? a) Coach b) Captain c) Referee d) Goalkeeper	Decision making	1
4.	What is the maximum number of substitutions allowed in modern football (regular matches)? a) 3 b) 4 c) 5 d) 6	Self-thinking	1
5	Fill in the blanks (question 5 TO 7) The official size 5 football is used in ____ level matches.	Self-awareness	1
6	FIFA stands for ____.	Self-thinking	1
7.	A kick taken from the corner arc is called a ____ kick.	Decision making	1
8	True and False (Question 8 to 10) The goalkeeper can use hands anywhere on the field.	Problem solving	1

9	Extra time is played when a match ends in a draw in knockout matches.	Decision making	1
10	Offside is a foul committed inside the penalty area only.	Problem solving	1



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



Subject: Marketing and Sales

Assignment No.: 7

Allotment Date: 31 December 2025

S.N o.	QUESTIONS	NATURE
I	<p style="text-align: center;"><u>SECTION A – OBJECTIVE TYPE QUESTIONS (10 Marks)</u></p> <p>Q1. Answer any 4 out of the 6 questions (1×4 = 4 marks)</p> <p>i. Which of the following is an example of non-verbal communication?</p> <p>a. Speaking</p> <p>b. Writing</p> <p>c. Facial expressions</p> <p>d. Reading</p> <p>ii. Which factor affects self-confidence the most?</p> <p>a. Culture</p> <p>b. Economic status</p> <p>c. Self-awareness</p> <p>d. Clothing</p> <p>iii. A device that stores large amount of data permanently is:</p> <p>a. RAM</p> <p>b. CPU</p> <p>c. Hard Disk</p>	Recall & Accuracy and decision-making

d. Keyboard

iv. Which of the following is a green skill?

a. Pollution

b. Waste management

c. Overconsumption

d. Deforestation

v. A business that sells goods to final customers is called:

a. Wholesaler

b. Retailer

c. Producer

d. Manufacturer

vi. Which utility is created when goods are transported from one place to another?

a. Time utility

b. Form utility

c. Place utility

d. Service utility

Q2. Answer any 3 out of the 5 questions (1×3 = 3 marks)

i. The concept which focuses mainly on profit through customer satisfaction is called _____.

a. Selling concept

b. Marketing concept

c. Production concept

d. Product concept

ii. The process of dividing the market into groups of buyers is called _____.

iii. The person who finally uses the product is called:

- a. Customer
- b. Consumer
- c. Wholesaler
- d. Retailer

iv. Virtual markets operate through _____.

v. Which type of customer always looks for the best deals and discounts?

- a. Loyal customers
- b. Sales customers
- c. Potential customers
- d. Repeat customers

Q3. Answer any 3 out of 5 questions (1×3 = 3 marks)

i. A salesperson visiting buyers regularly to maintain relations is involved in _____ selling.

ii. Name any one after-sale service.

iii. Which step of selling involves identifying potential customers?

iv. The feeling that drives a buyer to fulfill a need is called _____.

	<p>v. A salesperson who explains technical features of machinery is a _____ sales personnel.</p>	
<p>II</p>	<p style="text-align: center;"><u>SECTION B – SUBJECTIVE QUESTIONS (15 Marks)</u></p> <p>Q4. Answer any 2 out of the 4 questions (2×2 = 4 marks) (Answer in 20–30 words)</p> <p>i. Define Green Economy. Give any two benefits. ii. Mention any two types of needs with examples. iii. What is meant by Daily Sales Reporting? iv. What is a Reference Group? Give one example.</p> <p>Q5. Answer any 2 out of the 4 questions (3×2 = 6 marks) (Answer in 30–40 words)</p> <p>i. Explain any three functions of intermediaries. ii. State three factors influencing buyer behaviour. iii. Describe steps involved in order processing. iv. Difference between customer and consumer (any three points)</p> <p>Q6. Long Answer – Answer any 1 out of 2 (5 marks) (Answer in 60–80 words)</p> <p>i. Explain the importance of marketing for:</p> <ul style="list-style-type: none"> • Customers • Producers 	<p>Comprehension, Application and Critical Thinking</p>

	<ul style="list-style-type: none">• Society	
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OR

ii. Discuss any four factors that affect the choice of intermediaries.



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



Subject: Information Technology
Allotment Date: 31 December 2025
CHAPTER : - LIBREOFFICE CALC

Assignment No.: 7

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>1. What is the extension of LibreOffice Calc document?</p> <p>a) .ods b) .odt c) .xps d) .rtf</p> <p>2. Below the _____ the menu bar is located.</p> <p>a) Title Bar b) Standard Toolbar c) Formula Bar d) Formatting Bar</p> <p>3. By default the numeric values are aligned with _____.</p> <p>4. In LibreOffice Calc formula begins with _____ symbol.</p> <p>5. A _____ of cells is referred to as cell range</p>	1m x 5=5	Information
2	<p>1. What is LibreOffice Calc? State the distinction between a worksheet and a work sheet.</p> <p>2. In LibreOffice Calc, what are the distinct types of data that can be inserted.</p>	2.5m X 2 = 5	Understanding and Problem Solving
3	<p>1. In a document all the occurrences of word "Global" have to be changed to "Local". Which option is suitable for this and what is the shortcut command used for it?</p> <p>2. How is cell referred to in LibreOffice Calc?</p> <p>3. Explain the filtering feature of LibreOffice Calc.</p>	2m X 3 = 6	Critical Thinking
4	<p>1. Explain Cell referencing. What is the role of \$ sign in cell referencing?</p> <p>2. Explain any three aggregate function used in LibreOffice Calc.</p>	3mX3= 9	HOT

	3. Explain the various components of charts? Mention their purpose as well.		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - IX
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Artificial Intelligence

Assignment No.: 7

Allotment Date: 31 December 2025

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>(i) In a supervised learning model a _____ dataset is given to the machine.</p> <p>a) Unlabelled b) Labelled c) New d) Stored</p> <p>(ii) _____ refers to AI techniques that creates realistic but fake videos and audios.</p> <p>a) AI b) Deepfake c) Copyright d) Plagiarism</p> <p>(iii) In Generative Modelling , the model can generate structured data from the _____ dataset.</p> <p>a) Random noise b) Labelled c) Unlabelled d) Temporary</p> <p>(iv) _____ can be used to generate large volumes of content quickly and efficiently.</p> <p>a) Supervised learning b) Unsupervised learning c) Generative AI d) Deepfake</p> <p>(v) Creating portraits of non-existing people can be done using _____.</p> <p>a) Paint b) GANs c) VAEs d) RNNs</p>	1m x 5=5	Information
2	<p>1. What are the environmental impacts of generative AI? 2. What is Supervised and Unsupervised learning?</p>	2.5m X 2 = 5	Understanding and Problem Solving
3	<p>1. Give three benefits of using generative AI. 2. Explain the concept of Recurrent Neural Networks with example. 3. What are the limitations of Gen AI?</p>	2m X 3 = 6	Critical Thinking
4	<p>1. How does Discriminative Modelling contrast with Generative Modelling? 2. What are Autoencoders? List its important features with examples.</p>	3mX3= 9	HOT

	3. Explain in detail the use of generative AI in the field of music.		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - IX
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Data Science

Assignment No.: 7

Allotment Date: 31 December 2025

S.NO.	QUESTIONS	MARKS	NATURE
1	Fill in the blanks: (i) Quantitatives data is always stored in a _____ variable. (ii) Qualitative data is always stored in a _____ variable. (iii) During processing, the data is stored in the _____ memory. (iv) Bubble charts are used to show data visualization of relationships between _____ variables. (v) EDA is an abbreviation used in data analytics which expands to _____.	1m x 5=5	Information
2	MCQs: (i) The most suitable charts for comparison – based data stories are: a) Histograms b) Scatterplots c) Bar charts d) All of these (ii) Which visualization method does not require any special software? a) Number chart b) Pie chart c) Bar chart d) Line chart (iii) Which of the following is NOT amongst the 5 V's of big Data? a) Value b) Velocity c) Valiant d) Variety (iv) The quantitative data for a book may include: a) Number of pages b) Price c) Weight d) All of these (v) Good data for analysis should be: a) Accurate b) Relevant c) Up-to-data d) All of these	1m X 5 = 5	Understanding and Problem Solving
3	(i) Define the term 'Data'? How is data different from information? (ii) Define online reputation. (iii) Differentiate between qualitative and quantitative data.	2m X 3 = 6	Critical Thinking

4	<ul style="list-style-type: none">(i) Explain the cycle of reinforcement used by an agent to learn from data.(ii) Explain Exploratory Data Analysis.(iii) What is data governance frameworks? Explain in brief the various parts of a data governance framework.	3mX3= 9	HOT