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

Subject: Science   **Assignment No. : 8**
Allotment Date: 31 January 2025

S.NO.	QUESTIONS	MARKS	NATURE
Q1	Answer the following questions. **i.** What is lateral inversion? **ii.** What is reflection of light?	1x2=2	Information
Q2	**i.** A person entering a darkroom cannot see clearly for a few seconds. Why?	1X4 =4	Understanding
Q3	**i.** A boy is standing 6m in front of a mirror. He moves 2m towards the mirror. What will be the distance between a boy and his image now?	1x4=4	HOT
Q4	**i.** Give reasons for the following : a. Multiple images are formed when two mirrors are placed at right angle to each other. b. Different colors deviate at different angles on passing through the prism.	3x2=6	Interdisciplinary
Q5	**i.** Draw a diagram to show dispersion of light by prism.	3x3=9	Critical thinking & Problem solving

	ii. What enables the eye to focus objects at different distances and how?		Problem Solving
	iii. If all the objects around us were to reflect light in a regular way, what problems might we face?		Problem Solving
Q 6.	**i.** A person is unable to see the bus number clearly. What kind of defect of vision is he suffering from? What kind of lens will be required to correct it?	1x5=5	Communication Skills

Subject: Sanskrit   **Assignment No. : 8**

Allotment Date: 31 January 2025

S.NO.	QUESTIONS	MARKS	NATURE
1	**उचितपदैः रिक्तस्थानानि पूरयत –** (क) बालैः .... क्रियते। (क्रीडा, क्रीडाम्) (ख) तैः सूर्यः .... । (नम्यते, नम्यन्ते) (ग) मया भोजनं .... । (खाद्यन्ते, खाद्यते) (घ) तेन पाठाः .... । (पठन्ति,पठ्यन्ते) (ङ) ....दुष्टाः दंड्यन्ते। (सैनिकाः,सैनिकैः)	(5)	Critical Thinking and Problem Solving
2	**रेखांकितपदानि शुद्धीकृत्य लिखत –** (क) ते कन्ये <u>पठति</u>। (ख) अग्नि <u>तीव्रा</u> अस्ति। (ग) वयं वृक्षं <u>पश्यति</u>। (घ) नद्यः <u>अवहन्</u>। (ङ) पिता पुत्रे <u>क्रुध्यति</u>।	(5)	Understanding
3	**निम्नलिखितानां समस्तपदनां विग्रहं कृत्वा लिखत –** महादेवः .... दशाननः .... गुरुशिष्यौ .... प्रत्येकम् .... चतुर्युगम्	(5)	**Interdisciplinary**
4	**निम्नलिखितपदेषु प्रयुक्त प्रत्ययस्य नाम लिखत –** (क) पठितुम् - (ख) हसित्वा - (ग) चोरित - (घ) उपगम्य - (ङ) खादितवत् -	(5)	Analytical Skill
5	**अधोलिखितेभ्यः पदेभ्यः अव्ययपदानि चित्वा लिखत –** ह्यः,पत्रं, मम, कुत्र, एव, अत्र, प्रसरति, अधुना	(5)	Information
6	**संस्कृतभाषायां समयनिर्देशं कुरुत –** 11:00 .... 9:15 .... 8:45 .... 2:30 .... 4:45	(5)	Evaluation

Subject: Mathematics   **Assignment No. : 8**

Allotment Date: 31 January 2025

S.NO.	QUESTIONS	MARKS	NATURE
1	**Choose the correct alternatives in each of the following:** The common factor of x²y² and x³y³ is (a) x²y² (b) x³y³ (c) x²y³ (d) x³y²	1	Understanding
2	The common factor of $6a^3b^4c^2$, $21a^2b$ and $15a^3$ is: (a) $3a^2$ (b) $3a^3$. (c) $6a^3$ (d) $6a^2$	1	Understanding
3	Which of the following is quotient obtained on dividing $-18\ xyz^2$ by $-3\ xz$? (a) 6yz (b) –6yz (c) $6xy^2$ (d) 6xy	1	Analytical
4	(y – x) (y + x) is equal to which of the following: (a) $y^2 - yx$ (b) $yx - x^2$ (c) $y^2 - x^2$ (d) $x^2 - y^2$	1	Analytical
5	The factorisation of 6x – 42 is (a) 6(x – 7) (b) 3(x – 7) (c) 2(x – 7) (d) 6(x + 7)	1	Evaluation
6	**Fill in the blanks.** If x = 19y, then x and y vary _____ with each other.	1	Understanding
7	If x = 2, y = -1 then the value of x² - 4xy + 4y² is _____ .	1	Evaluation
8	If 10 books cost Rs.100, then the cost for 5 books is _____.	1	Analysis
9	The quotient of 28x² ÷ 14x is _____.	1	Evaluation
10	Factorise: 10ab + 4a + 5b + 2	2	Critical thinking
11	**Carry out the following division:** 5(2x + 1) (3x + 5) ÷ (2x + 1)	2	Evaluation
12	**Factorise the polynomial:** $(a - b)^2 + 4ab$	2	Critical thinking and problem solving
13	**Factorise the expressions and divide them as directed.** **$4yz(z^2 + 6z - 16) ÷ 2y(z + 8)$**	3	Critical thinking
14	68 boxes of certain commodity require a shelf-length of 13.6 m. How many boxes of the same commodity would occupy a shelf length of 20.4m?	3	Hot

15	Two brothers Anuj and Aman started a business together. They decided to share the capitals depending upon the variable expenditure. The capital of two brothers together is given by the polynomial $p^2 + 10p + 21$, which is the product of their individual share factors. (i) What is the individual share of both brothers? (ii) What is the sum of their capitals? (iii) The capital of the partners when p=8 ?	**4(2+1+1)**	Case study
16	Factorise $x^4 - (x - y)^4$ **using identities.**	**5**	Interdisciplinary

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

Subject: Dance **Assignment No. : 8**

Allotment Date: 31 January 2025

S. NO.	QUESTIONS	MARKS	NATURE
1.	Which of the following is a classical dance form of India? a) Salsa b) Ballet c) Bharatanatyam. d) Tango	1	Informative
2.	In which classical dance form is the 'Chhau' performed? a) Odissi b) Kathak c) Chhau. d) Kuchipudi	1	Informative
3.	Which of the following is a classical dance form of India? a) Salsa b) Kathak. c) Hip-hop d) Tango	1	Informative
4.	Which of the following instruments is associated with Hindustani classical music and Kathak? a) Tabla. b) Mridangam c) Sitar d) Sarangi	1	Informative
5.	In Bharatanatyam, the instrument used to accompany the dance is primarily. a) Flute b) Mridangam. c) Sarod d) Violin	1	Informative
6.	The classical dance form 'Manipuri' originates from which state? a) Assam b) Manipur. c) Tripura d) Nagaland	1	Informative
7.	Which classical dance is famous for its rhythmic footwork and is traditionally performed in temples?	1	Informative

	a) Bharatanatyam. b) Kathakali c) Kuchipudi d) Odissi		
8.	**Which classical Indian dance form uses "Tala" (rhythm) and "Raga" (melody) as fundamental elements?** a) Kathak b) Bharatanatyam c) Kuchipudi d) All of the above.	1	**Informative**
9.	**Which of the following dance forms is typically performed with the accompaniment of the "Pakhawaj" drum?** a) Kathakali. b) Bharatanatyam c) Kuchipudi d) Kathak	1	**Informative**
10.	**The dance form "Kathakali" belongs to which state?** a) Kerala. b) Andhra Pradesh c) Maharashtra d) West Bengal	1	**Informative**

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

Subject: Music (Vocal)   **Assignment No. : 8**
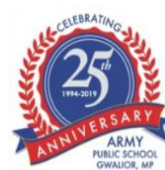
Allotment Date: 31 January 2025

S. NO.	QUESTIONS	MARKS	NATURE
1	How many parts does a congo instrument have ? a) 5 b) 3	1	Informative
2	The instrument which is similar to keyboard ? a) Guitar b) Harmonium	1	Informative
3	What do you mean by patriotism ? a) Devotion towards religion b) Devotion towards nation	1	Informative
4	The instruments which is similar to keyboard but played with sticks ? a) Xylophone b) Piano	1	Informative
5	Song "Ae meri jaan " (Patriotic song) is from which movie ? a) Emergency b) Border	1	Informative
6.	Name thre Singers of "Sandese aate hai" song from movie border? a) Roop Kumar Rathore & Sonu Nigam b) Kishore Kumar & Mohammad Rafi	1	Informative
7.	Which rasa is seen more in the bhajans of shri Krishna? a) Shringar rasa b) Veer rasa	1	Informative

8.	Guitar has __ strings? a) 6 b) 3	1	Informative
9,	Drums, Congo instrument belong to which category? a) Brass Instruments b) Percussion Instruments	1	Informative
10.	"Tu hi mahan sarv shaktimaan tu hihai mere jeevan ka sangeet " lines are taken from which prayer ? a) Itni shakti humein dena data b) Teri aradhana karun	1	Informative

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

Subject: Work Education   **Assignment No. : 8**
Allotment Date: 31 January 2025

S. No.	QUESTIONS	MARKS	NATURE
1	What is tint and shade?	2	Informative
2	What is the concept of Poster Making?	2	Informative
3	How to create a good poster?	2	Understanding
4	Which state is famous for Tie and Dye?	2	Informative
5	What is tie and dye in art?	2	Understanding

Subject: Computer   **Assignment No. : 8**
Allotment Date: 31 January 2025

S.NO.	QUESTIONS	MARKS-10	NATURE

1	Choose and write the correct option (MCQ):-
	1) ___apps are developed for a particular platform or iOS and Android devices.
	    a. Web
	    b. Hybrid
	    c. Native
	2) _____apps helps the users improve their cognitive skills, such as attention and focus.
	    a. Entertainment
	    b. Gaming
	    c. Utility
	3) In _window, the look and feel of our app is created.
	    a. Blocks Editor
	    b. Properties
	    c. Component Designer
	4) ___is used for instructing the components what to do and when to do it.
	    a. Properties
	    b. Blocks Editor
	    c. Viewer
		1/2x4=2	Information

2	**Write 'T' for True and 'F' for false statements**. 1. Web apps provide an experience similar to native apps. 2. Hybrid apps are developed for a particular platform or device. 3. To test our app on the emulator, we should click on Connect and then AI Companion. 4. Block viewer is used for deleting unwanted blocks.	**1/2x4=2**	Understanding
3.	**Fill in the blanks-** 1. _____apps enables us to connect with people who share similar personal or professional interests. 2. _____ apps are used by everyone of us on a daily basis. 3. Any component that we place into the _____from Components Palette, will also show up in Components list. 4. After creating, we can _____ our app in Android device or emulator.	**1/2x4=2**	Understanding
4.	**Answer the following questions:-** 1. What is an App Store? 2. What is the use of MIT App Inventor? 3. What is the purpose of Blocks Editor? Name its main parts. 4. Name the areas of Component Designer window.	**1x4=4**	Evaluation

Subject: Social Science   **Assignment No. : 8**
Allotment Date: 31 January 2025

S. No.	Questions	MARKS	NATURE
1.	True & False The Moderates were opposed to the use of boycott.	1x2=2	CRITICAL THINKING
2.	The Simon Commission had many Indian representatives.		ANALYTICAL THINKING
3.	Fill in the blanks: (a)........is a Marathi newspaper edited by Tilak. (b) The Indian National Congress was established when ....delegates from all over the country met at Bombay in December....... (c) The..... Act curbed fundamental rights such as the freedom of expression and strengthened police powers. (d) Quit India movement started in........	1x4= 4	INFORMATIVE
4.	In some parts of the country water supply has been improved. Explain giving examples of Mumbai, Hyderabad and Chennai.	4x1=4	HOTS
5.	The benefits of a public facility can be shared by many people'. Explain the examples.	3x1= 3	HOTS
6.	What do you mean by the term 'sanitation'? Why essential? Who are the people lacking access to it? Some people are of the opinion that private companies should be allowed to take over the task of water supply. Why do they opine so?	3x2=6	ANALYTICAL SKILL
7.	Who was Khan Abdul Ghaffar Khan?	3x1=3	CRITICAL THINKING

| 8. | What caused the partition of Bengal in 1905? | 4x1=4 | PROBLEM SOLVING |
| 9. | How did the First World War change the economic situation in India? | 4x1= 4 | COMMUNICATION SKILLS |

Subject: Yoga   **Assignment No. : 8**

Allotment Date: 31 January 2025

QUESTIONS	MARKS	SKILLS
Fill in the blanks 1. Pratyahara is the withdrawal or control of the _____. 2. It serves as a bridge between the external aspects of yoga, like asana and pranayama, and the internal practices of _____ and _____. 3. Pratyahara involves shifting one's awareness from external stimuli to the _____ world	3X1=3	INFORMATIVE
<u>**True and False:**</u> 1. Pratyahara implies complete suppression of sensory experiences. 2. The practice of Pratyahara is limited to formal meditation sessions. 3. Detaching from sensory triggers can contribute to emotional instability	3X1=3	CRITICAL THINKING

Multiple Choice Questions:	4X1=4	ANALYTICAL

1. What is Pratyahara's role in the eight limbs of yoga?
  a) Second limb
  b) Fifth limb
  c) Eighth limb
  d) Tenth limb
 	
2. What does Pratyahara NOT involve?
  a) Complete suppression of sensory experiences
  b) Mindful withdrawal of attention
  c) Focusing solely on external distractions
  d) Detaching from sensory triggers
 	
3. What is the significance of Pratyahara in relation to Dharana and Dhyana?
  a) Pratyahara is unrelated to Dharana and Dhyana.
  b) Pratyahara serves as a foundation for Dharana and Dhyana.
  c) Dharana and Dhyana are prerequisites for practicing Pratyahara.
  d) Pratyahara is an alternative to Dharana and Dhyana.
 	
4. Which limb of yoga follows Pratyahara in the eight limbs system?
  a) Yama
  b) Niyama
  c) Asana
  d) Dharana
		THINKING

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

Subject: English   **Assignment No. : 8**

Allotment Date: 31 January 2025

S. No.	Questions	Marks	Nature
1	**Fill in the blanks with suitable prepositions** a) The little dog blinked _____ the lights. b) The enemy was _____ the gate. c) It is the story _____ a young girl. d) Teatime was special _____ our home. e) Education is supposed to help you to go _____ all that.	5 Marks	Understanding
2	Fill in the blanks with appropriate conjunctions. a) I can help you …………….. you tell me the truth. b) I need to work hard ………….. I can pass the exam. c) I don't know …………… I can buy a pair of jeans. d) Keep quiet ……………… go out.	4 Marks	Understanding
3	You are Megha/ Mehul, the Sports Secretary of Army Public School, Gwalior. Your school has decided to host the regional level volley ball tournament. Draft a notice for your school notice board inviting all the children of your school to cheer for the teams.	5 Marks	Communication Skill
4	Read the following sentences and state whether they are simple, compound or complex. a) The house was so beautiful that he decided to buy it. b) The farmer took good care of the cows. c) Alice and James went to the park in the evening. d) As soon as the dog saw its master, it started	5 Marks	Analytical Skill

	wagging its tail. e) Rani went to the market and bought some flowers.		
5	If one has a real grandmother who has all the good human qualities life becomes bliss. Imagine you have such a grandmother who is still active despite her age. Write a paragraph in about 100 words on your grandmother.	5 Marks	Reflection
6	Answer the following questions in about 20-30 words. a) Why were travellers attracted towards India? b) What was the role of guru in pupils' lives? c) How did society help in the education of the students?	3×2 = 6 Marks	Evaluation

Subject: Hindi   **Assignment No. : 8**

Allotment Date: 31 January 2025

S. No.	प्रश्न.		Marks	Nature
1	प्रश्न 1.-शब्दार्थ i) सिटपिटाना ii) असीम iii) साँसत iv) शिखर		4 Marks	Informative and understanding
2	प्रश्न 2. बाज़ जिंदगी भर आकाश में उड़ता रहा फिर घायल होने के बाद भी वह उड़ना क्यों चाहता था?		3 Marks	Understanding
3	प्रश्न 3. बाज़ के लिए लहरों ने गीत क्यों गाया था?		4 Marks	HOT
4	प्रश्न 4. घायल बाज़ को देखकर साँप खुश क्यों हुआ होगा?		3 Marks	Interdisciplinary
5	प्रश्न 5. सन् 1942 में हुए जन आंदोलन की क्या विशेषता थी?			
			3 Marks	Analytical Skill
6	प्रश्न6. विदेश में रहने वाले बड़े भाई को आने वाली दीपावली की शुभकामनाएं देते हुए संदेश तैयार कीजिए।		4 Marks	Critical Thinking
7	प्रश्न 7.		3×2 = 6 Marks	Evaluation

	i) इस विद्रोह में किन - किन स्थानों से ब्रिटिश सत्ता समाप्त हो गई? ii) अकाल ने भारत की कैसी तस्वीर प्रस्तुत की?			
8	प्रश्न 8. कक्षा VIII की हिन्दी व्याकरण की पुस्तकें मँगवाने के लिए पुस्तक विक्रेता को ई - मेल लिखिए।		3 Marks	Communication Skills