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

Subject: English **Assignment No. : 7**

Allotment Date: 31 December 2024

S.NO		MARKS	NATURE
01	Name five kinds of flutes.	**6**	**information**
02	What difference does the author note between the flute seller and the other hawkers?	**4**	**Understanding**
03	Compare and contrast the atmosphere in and around the Baudhnath shrine with the Pashupatinath temple.	**5**	**HOTS**
04	On the map of India, find out the possible routes (by rail and road from Kathmandu to New Delhi/Mumbai/Kolkata/Chennai.	**5**	**HOTS**
05	The passing of time will no longer affect her, says that the poet. Which lines of the poem say this? (A Slumber Did My Spirit Seal)	**5**	**Analytical Skills**
06	This poem (A Slumber Did My Spirit Seal) is about the death of a loved one. How does the poet feel when he thinks about her death? How does he imagine her to be, after death?	**5**	**Critical Thinking and Problem Solving**
07	Suddenly it started raining and thunder rumbled. The animals, frightened by the streaks of lightening and the roar of thunder, broke loose and began to run. Write a story in 100-120 words which can have a different beginning and end but the middle must be as the above.	**10**	**Evaluation**

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

Subject: Hindi **Assignment No. : 7**

Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	अपने पिता जी को पत्र लिखकर सूचित कीजिए कि वार्षिक परीक्षा के लिए आपकी तैयारी कैसी है।	5	Information
2	बढ़ती गरमी और कम होती वर्षा के बारे में दो मित्रों की बातचीत का संवादलेखन- **50 से 60 शब्दों में कीजिए**।	6	Communication Skills
3	निम्नलिखित वाक्यों में उचित विराम चिह्न का प्रयोग करते हुए- दोबारा लिखिए । 1.सुभाष चंद्र बोस ने कहा तुम मुझे खून दो मैं तुम्हें आजादी दूंगा 2.हाय फूल सी कोमल बच्ची हुई राख की थी ढेरी 3.तुम कौन हो कहाँ रहते हो क्या करते हो यह सब मैं क्यों पूछू निम्नलिखित शब्दों की संधि विच्छेद कीजिए-– अरुणोदय – एकैक – शिवालय – **निम्नलिखित** वाक्यों **के** भेद **लिखिए**। (अर्थ के आधार पर) दीवारों को साफ़ कर दो। पक्षी घोंसले से नहीं उड़े हैं।	3 3 4	Understanding

	किसान बैंक से कर्ज़ लेते हैं। क्या पक्षी आकाश में उड़ रहे है?		
4	दिए गए चित्रों को देखकर 50-60 शब्दों में उनका वर्णन कीजिए। 4.	**5**	Analytical Skill
5	निम्नलिखित में से किसी एक विषय पर **80 - 100** शब्दों में अनुच्छेद लिखिए | **अभ्यास का महत्त्व** अथवा **वन और पर्यावरण का सम्बन्ध**	**5**	Critical Thinking and Problem Solving
6	निम्नलिखित प्रश्नों के उत्तर दीजिए- 1. जब शुक गाता है, तो शुकी के हृदय पर क्या प्रभाव पड़ता है? 2. अग्नि पथ' कविता को आप अपने जीवन के लिए कितनी उपयोगी मानते हैं? 3. कवि एक घर पीछे या दो घर आगे क्यों चल देता है?	**9**	Evaluation

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

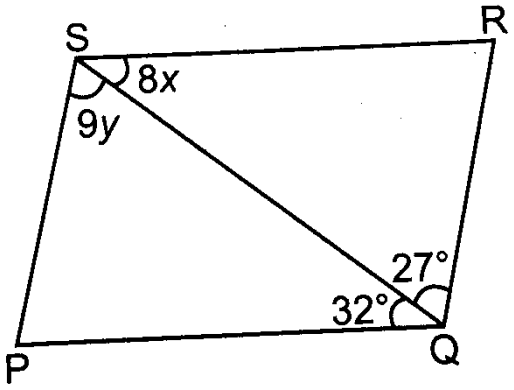
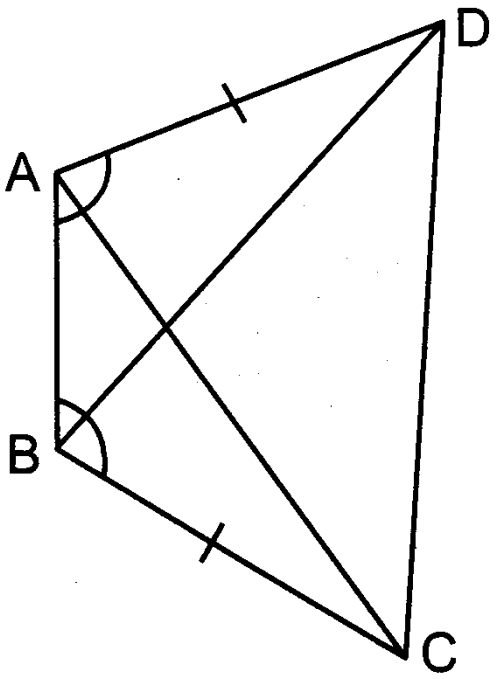
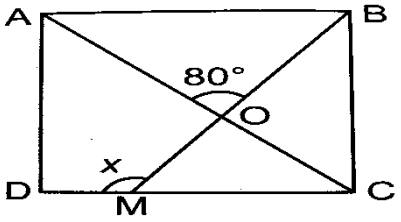
Subject: Mathematics **Assignment No. : 7**

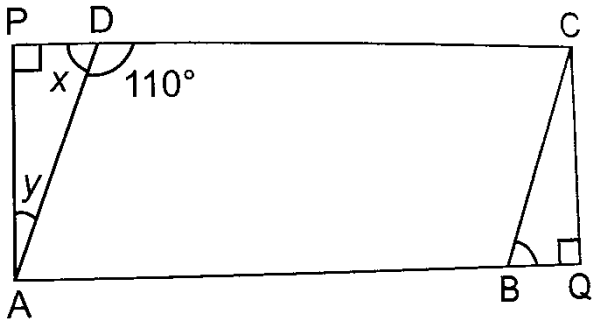
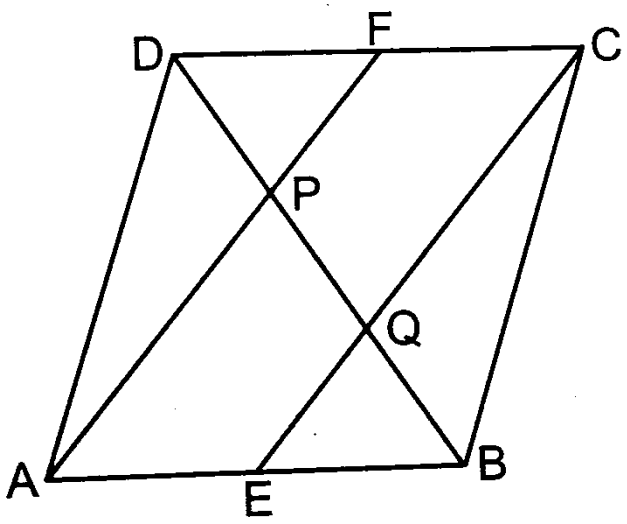
Allotment Date: 31 December 2024

S.NO.	QUESTIONS	MARKS	NATURE
1	Which of the following is not a parallelogram? (a) Trapezium (b) Square (c) Rectangle (d) Rhombus	1	Understanding
2	A student get the rhombus from the rectangle by (a) Joining the mid points of adjacent sides (b) Joining the mid points of opposite sides (c) Reducing the longer side (d) Any one method from the above.	1	Application
3	In a quadrilateral PQRS , if the adjacent angles are supplementary , then the quadrilateral is/are (a) Rectangle (b) Square (c) Rhombus (d) All of the above	1	Understanding
4	Two angles of a quadrilateral are 60° and 70° and other two angles are in ratio 8 : 15 , then the remaining two angles are (a) 140°, 90° (b) 100°, 130° (c) 80°,150° (d) None	1	Interdisciplinary
5	The sum of three angles of quadrilateral is 300°, find the fourth angle. (a) 60° (b) 62° (c) 63° (d) 54°	1	Analytical Skill
6	In ∆ABC, D,E and F are the mid points of sides AB, BC and AC respectively, the quadrilateral DECF is (a) A rectangle (b) A rhombus (c) A parallelogram (d) A square	1	Critical Thinkingand Problem Solving

7	Given a quadrilateral ABCD such that angle C = 90° and diagonal AC and BD bisect each other at O, then the quadrilateral is a (a) Rhombus (b) Trapezium (c) Parallelogram (d) Rectangle	1	Analytical Thinking
8	**ASSERTION (A) :-** A llgm is obtained on joining the mid point of adjacent sides of a quadrilateral. **REASON (R) :-** The line joining the mid points of two sides of a triangle is parallel to third side. (a) Both (A) and (R) are true and (R) is correct explanation of (A) (b) Both (A) and (R) are true and (R) is not the correct explanation of (A) (c) (A) is true but (R) is false. (d) (A) is true but (R) is false.	1	Understanding
9	In ΔABC , right angled at B. Side AB = 6 cm and side BC = 8 cm . D is a mid point of AC . Then length of BD is (a) 10 cm (b) 4 cm (c) 3 cm (d) 5 cm	1	Interdisciplinary

10	ABCD is a llgm. If $\angle A = 65°$, find $\angle B + \angle D$	2	Interdisciplinary
11.	ABCD is a rectangle with $\angle$ BAC = 42°. Determine $\angle$DBC	2	Application
12	If one angle of a llgm is 36° less than twice its adjacent angle, then find the angles of a llgm	2	Evaluation

13	ABCD is a llgm . AB is produced to E so that BE = AB. Prove that ED bisects BC.	2	Analytical Thinking
14	In the given figure , PQRS is a llgm. Find the values of x and y. 	2	Evaluation
15	In the given figure , ABCD is a quadrilateral in which AD = BC and $\angle DAB = \angle CBA$ 	3	Evaluation
16.	In the given figure , ABCD is a square. A line BM intersects CD at M and diagonal AC at O such that $\angle AOB = 80°$. Find x.. 	3	Analytical thinking
17.	P and Q are points of trisection of the diagonal BD of a llgm ABCD. Prove that CQ is parallel to AP and AC bisects PQ.	3	Problem solving

18.	ABCD Ais a trapezium AB II DC. M and N are the mid points of AD and BC respectively. If AB = 12 cm and MN = 14 cm, find CD.,	3	Evaluation
19.	Roshni has made a wall hanging on cloth to decorate the living room of her house. The wall hanging was in a llgm shape. When she hanged it on a wall using nail, point of one portion of the wall just came out and it was not looking good. She became very upset. Her mother came and asked about the problem and came up with an idea. She told Roshni that she can add triangle shape different coloured cloth so that wall hanging can cover that spoiled part of the wall. Both of them decorated the wall hanging and got it framed. Now it was in a rectangle shape a as shown in fig :- On the basis of the above information answer following questions:- 	4	Interdisciplinary
20.	In a llgm ABCD, E and F are the mid points of sides AB and CD respectively. Show that the line segments AF and EC trisect the diagonal BD. 	5	Critical Thinking

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

Subject: Science **Assignment No. : 7**

Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	Q1. Define work and write its S.I unit Q2. What is an atom? Q3. What is the name given to crops obtained by introducing a gene that provides the desired characteristic ?	**1** **1** **1**	Information
2	Q4. Can increasing grain production alone solve the problem of malnutrition and hunger? Q5. Explain work. Give the SI unit of work. Enumerate, write briefly about positive, negative, and zero work Q6. Write the correct representation of an element 'X' which contains `15 electrons and 16 neutrons.	**3** **3** **3**	Understanding
3	Q7. A force of 140 N is exerted by a pair of bullocks on a plough. The field is ploughed 15 m long. Calculate how much work is done in ploughing the length of the field. Q8. Give two important applications of radioactive isotopes.	**3** **3**	HOT
4	Q9. How is the use of manure beneficial for our environment? Q10. Suppose that the kinetic energy of an object of mass m moving with a speed of 5 m/s is 25 J. When the velocity is increased three times what will be the kinetic energy?	**3** **3**	Interdisciplinary
5	Q11. Write down the electron distribution of chlorine atom. How many electrons are there in the L shell? Q12. Define valance electrons. Which electrons of an atom are involved in the chemical bond formation with other atoms?	**3** **3**	Analytical Skill
6	Q12Explain power. What is 1 watt of power? Calculate the power if the lamp consumes 1000 J of electrical energy in 10 s.	**5**	Critical Thinking and Problem Solving
7	Q13. Write the modes by which insects affect the crop yield. [	**5**	Evaluation

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

Subject: Social Science **Assignment No. : 7**

Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	(i) The wind blowing in the northern plains in summers is known as- (a) Kaal Baisakhi (b) Loo (c) Trade winds (d) None of the above (ii) Which one of the following causes rainfall during winters in north-western part of India ? (a) Cyclonic depression (b) Retreating monsoon (c) Western disturbances (d) South-west monsoon	**1** **1**	Information

	(iii) Where is the equable type of climate found ? (a) Close to the sea (b) Far from the sea (c) Interiors of the continents (d) None of the above	**1**	
	(iv) The rainfall of immense importance for the cultivation of 'rabi, crops is known as- (a) Mahawat (b) Mango-shower (c) The 'Break' in monsoon (d) October heat	**1**	
	(v) What is the full form of ITCZ ? (a) Indian Tropical Convergence Zone (b) Inter- Tropical Convergence Zone (c) Inter- Tropical Climate Zone (d) Inter- Temperate Convergence Zone	**1**	
	(vi) Which one of the following places receives the highest rainfall in the world? (a) Silchar		

	(b) Mawsynram (c) Cherrapunji (d) Guwahati (vii) Which of the following is the main reason for the horizontal motion of air over the earth's surface? (a) Variation in atmospheric pressure (b) Variation in attitude (c) Variation in temperature (d) Variation in latitude (viii) Thiruvananthapuram has low annual range (22*C) of temperature as it is- (a) Far away from the Equator (b) Far away from the sea (c) Near to the sea (d) Near to the Equator (ix) …… are the fast flowing cold air current in a narrow zone in the upper atmosphere. (a) Loo	**1** **1** **1**	

	(b) Mango Showers (c) Kal Baisakhi (d) Jet Streams	**1**	
	(x) What generally happens to air temperature as we move from the equator to the poles? (a) It decreases (b) It increases (c) It remains constant (d) None of these	**1**	
2	(a) Why does amount of solar radiation vary with altitude?	**3**	Understanding
	(b) What do you mean by climate and weather? What are their elements?	**3**	
3	(a) Which part of India does experience the highest diurnal range of temperature and why? or	**3**	HOT

	(b) " India's climate has characteristics of tropical as well as sub- tropical climates." Explain.		
4	(a) Why is the monsoon considered a unifying bond? (b) How do pressure and surface winds affect the climatic conditions of a particular place? What other factors contribute to it?	**3**	Interdisciplinary
5	(a) Describe the regional variations in the climatic conditions of India with the help of suitable examples. or (b) Why does the rainfall decrease from the east to the west in the northern India?	**5**	Analytical Skill
6	(a) Explain how are the Trade Winds related to the Monsoon Winds? Or "Monsoons are known for their uncertainties and vagaries." Explain.	**5**	Critical Thinking and Problem Solving
7	(a) Describe how the distribution of rain caused by the Monsoons. or (b) Discuss the mechanism of monsoons.	**5**	Evaluation

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

Subject: AI **Assignment No. : 7**

Allotment Date: 31 December 2024

S. No.	QUESTIONS	MARKS	NATURE
1	With one throw of a 6-sided die, what's the probability of getting an even number? a) 1/5 b) 2/5 c) 5/6 d) 1/2	1	Understanding
2	Which of the following is an equation? a) 2x + 5 b) x + 2 = 4x c) x^2 + 2x d) 5 + 5x + 5x^2	1	Understanding
3	What is the value of x? 10x-8=6x a) 8 b) 4 c) 2 d) 6	1	Understanding

4	Which two are examples of descriptive statistics? a) Median and correlation. b) Mean and standard deviation. c) Mode and regression analysis. d) Variance and Hypothesis testing.	1	Understanding
5	What is the probability of getting head when you toss a coin once? a) 0.75 b) 1 c) 0 d) 0.5	1	Understanding
6	Getting seven in die throwing is a possible event. (True/False).	1	Understanding
7	The median of the data: 155, 160, 145, 149, 150, 147, 152, 144, 148 is a) 149 b)150 c)147 d)144	1	Understanding
8	What are the basic building blocks of qualitative data? a)Individuals b)Units c)Categories d)Measurements		Understanding
9	Which among these is not a type of data interpretation? a)Textual b)Tabular c)Graphical	1	Understanding

	d)Raw data		

10	Quantitative data is numerical in nature. a)True b) False	1	Understanding
11	A Bar Graph is an example of? a). Textual b). Tabular c). Graphical d). None of the above	1	Understanding
12	_____relates to the manipulation of data to produce meaningful insights. a). Data Processing b). Data Interpretation c). Data Analysis d). Data Presentation	1	Understanding
13	Cultivating Data Literacy means: a) Utilize vocabulary and analytical skills b) Acquire, develop, and improve data literacy skills c) Develop skills in statistical methodologies d) Develop skills in Math	1	Understanding
14	Data Privacy and Data Security are often used interchangeably but they are different from each other a) True b) False	1	Understanding
15	The provides guidance on using data efficiently and with all levels of awareness. a) data security framework b) data literacy framework c) data privacy framework d) data acquisition framework	1	Understanding

16	_____allows us to understand why things are happening in a particular way a) data b) information c) knowledge d) wisdom	1	Understanding
17	_____is the practice of protecting digital information from unauthorized access, corruption, or theft throughout its entire lifecycle. a) data security b) data literacy c) data privacy d) data acquisition	1	Understanding
18	An event in the probability that will never be happened is called as - a)Unsure event b)Sure event c)Possible event d)Impossible event	1	Understanding
19	What is the probability of getting an even number when a dice is thrown? a)1/6 b)1/2 c)1/3 d)1/4	1	Understanding
20	A card is drawn from a pack of 52 cards. What is the probability of getting a king of a black suit? a)1/26	1	Understanding

	b)1/52 c)3/26 d)7/52		
21	Find the median of the call received on 7 consecutive days 11,13, 17, 13, 23,25,19 a)13 b)23 c)25 d)17	1	Understanding
22	When the Mean of a number is 18, what is the Mean of the sampling distribution? a)21 b)18 c)27 d)23	1	Understanding
23	What does probability mean? a) The total number of possible outcomes in an event b) The ratio of favorable outcomes to all outcomes c) The chance of an event happening d) How certain an event will occur	1	Understanding
24	What is the probability of a sure event? a) 1 b) 0 c) 1/4 d) 1/2	1	Understanding
25	A fair coin is tossed thrice, what is the probability of getting all 3 same outcomes? a) ¼ b) ¾ c) ⅙ d) ½	1	Understanding

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

Subject: Computer **Assignment No. : 7**

Allotment Date: 31 December 2024

S.No.	QUESTIONS	MARKS	NATURE
1	**What is Photoshop?**	2	Information
2	**What we can do with Photoshop?**	2	Understanding
3	**What is file extension use in Photoshop, explain with example?**	2	Information
4	**What do you understand by workspace in Photoshop?**	2	Information
5	**Define Layers in Photoshop.**	2	Understanding
6	**Define the following term:-** (a) Pixel (b) Foreground color (c) Digital Image (d) Work Space (e) JPEG	5x1=5	Understanding

7	**The given image is concerned with tools of Photoshop, explain the tools of PSD shown in the image.** 	10x1= 10	Critical Thinking

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

Subject: Health and Physical Education **Assignment No. : 7**

Allotment Date: 31 December 2024

S.NO.	Multiple choice questions (question 1 to 4)	SKILLS	MARKS 1X10=10
1.	**Which of the following is the highest governing body of association football?** (a) International Olympic Committee (IOC) (b) International Federation of Association Football (FIFA) (c) Union of European Football Associations (UEFA) (d) National Football League (NFL)	Self-awareness	1
2.	**What is the term used for a player who is sent off the field for receiving two yellow cards?** (a) Suspension (b) Penalty (c) Red card (d) Substitution	Self-awareness	1
3.	- **Which of the following is NOT a legal way to score a goal in football?** (a) Kicking the ball (b) Heading the ball (c) Kicking the ball into the net (d) Heading the ball with the arms	Decision making	1
4.	. In which year was the football World Cup held for the first time? (a) 1930 (b) 1931 (c) 1933 (d) 1935	Self-thinking	1
5	Fill in the blanks (question 5 TO 7) - During a football match, each team is allowed to have a maximum of _____ players on the field at any given time (11,16)	Self-awareness	1
6	Brazil has won the most FIFA World Cup titles, with a total of _____ victories. They achieved the most recent win in 2022. (5 ,6)	Self-thinking	1
7.	_____ won the most football world cup title.	Decision making	1

	(Argentina, Brazil)		
8	True and False (Question 8 to 10) A player who is sent off the field for receiving two yellow cards is given a red card. A. True B. False	Problem solving	1
9	The UEFA Champions League is the premier club football competition in Europe. It is organized by the Union of European Football Associations (UEFA), hence the "UEFA" in its name. True B. False	Decision making	1
10	- The rule in football that governs the positioning of attacking players when a teammate passes the ball forward is called Offside. True False	Problem solving	1

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

Subject: Music (Vocal and Instrumental) **Assignment No. : 7**

Allotment Date: 31 December 2024

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 b) 3	1	Informative
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
CLASS - IX
ACADEMIC SESSION 2024-25
WORKSHEET (SELF –ASSESSMENT)

Subject: Music (Dance) **Assignment No. : 7**

Allotment Date: 31 December 2024

S. NO.	QUESTIONS	MARKS	NATURE
1	**Which of the following is a string instrument?** a) Flute b) Violin. c) Trumpet d) Drums	1	Informative
2	.**Which of the following instruments is played by blowing air into it?** a) Guitar b) Violin c) Trombone d) Flute.	1	Informative
3	**Tabla ka samarthan kis prakar ki dhwani utpann karta hai?** a) Vaayvi b) Ghan c) Sushir d) Avanadh.	1	Informative
4	**Flute kaunse prakar ka vadya hai?** a) Tantri b) Avanadh c) Sushir.	1	Informative

	d) Ghan		
5	**Which of the following is not a percussion instrument?** a) Dholak b) Tabla c) Sitar. d) Mridang	1	Informative
6.	**Vadya Yantra refers to which of the following?** a) A sacred mantra b) A musical instrument. c) A dance form d) A type of meditation	1	Informative
7.	**What is the primary material from which the drum is made?** a) Wood b) Metal c) Leather or synthetic material. d) Glass	1	Informative
8.	Which of the following is NOT a type of Vadya Yantra? a) Tuning Fork. b) Sitar c) Dholak d) Tanpura	1	Informative
9,	**The piano is classified as which type of instrument?** **a**) String instrument b) Percussion instrument c) Wind instrument d) Keyboard instrument.	1	Informative
10	Veena kis sangeet vadya ki prakar mein aata hai? a) Avanadh b) Ghan c) Sushir	1	Informative

	d) Tantri.		