



ARMY PUBLIC SCHOOL GWALIOR

CLASS -X

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: English

Assignment No. : 4

Allotment Date: 18 July 2021

SNO	QUESTIONS	MARKS	NATURE
1	<p>A new revised volume of Isaac Asimov's short stories has just been released. Order one set. Write a letter to the publisher, Mindframe Private Limited, 1632 Asaf Ali Road, New Delhi, requesting that a set be sent to you by Value Payable Post (VPP), and giving your address. Your letter will have the following parts.</p> <ul style="list-style-type: none">. Addresses of the senders and receiver. The salutation. The body of the letter. The closing phrases and signature <p>Write a letter to the bank manager of your bank, requesting him to issue a new cheque book since your old cheque book has been used.</p>	[6]	Information
2	<p>Write a letter to the bank manager of your bank, requesting him to issue a new cheque book since your old cheque book has been used.</p>	[6]	Communication Skill
3	<p>What makes Anne write her story ? Or "The Diary of Anne Frank" is a work of an insightful mind of a young girl. Explain</p>	[6]	HOT
4	<p>Tick the right answer:</p> <ul style="list-style-type: none">a) When something is revived, it (remain dead/lives again).b) When a government bans something, it wants it (stopped/started).c) When something is considered auspicious, (welcome it/avoid it)d) When we take to something, we find it (boring/interesting)	[4]	Interdisciplinary

<p>5</p>	<p>Fill in the blank with the correct word given in bracket. Education is (a) (such, so, much, as) important for human beings as is food. No one(b).....(should, may, might, can) progresswithout education. It actually makesman(c)..... (a, an, the, this) real man.An illiterate man is a victimof(d).....(all,so, such, many) deceitful persons.</p>	<p>[4]</p>	<p>Analytic al Skill</p>
<p>6</p>	<p>Read the extract and answer the following. What is the boy now, who has lost his ball, What, what is he to do? I saw it go Merrily bouncing ,down the street, and then Merrily over-there it is in the water! a) Name the poem and the poet b) What has the poet seen? c) How did the ball fall into the water? d) How is the ball a great loss to the boy?</p>	<p>[4]</p>	<p>Underst anding</p>
<p>7</p>	<p>Answer the following questions in about 30 to 40 words only. a) Why does Anne provide a brief sketch of her life? b) What does Horace Danby like to collect c) Who do you think is the real culprit in the story “A Question of Trust”?</p>	<p>[6]</p>	<p>Evaluati on</p>
<p>8</p>	<p>Write a paragraph in about 100-120 words on “Save planet Earth”</p>	<p>[4]</p>	<p>Critical Thinking and Problem Solving</p>



ARMY PUBLIC SCHOOL GWALIOR

CLASS -X

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Hindi

Assignment No. : 4

Allotment Date: 18 July 2021

S. NO.	QUESTIONS	MARKS 40	NATURE
1	प्रश्न- 1 वृक्षों को काटकर बनाए जा रहे शापिंग मॉल का विरोध करते हुए अपने शहर के प्रतिष्ठित समाचार पत्र के संपादक को पत्र लिखिए ।	5	Information
2	<p>प्रश्न- 2 प्रस्तुत गद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर लिखिए-</p> <p>हँसी भीतरी आनन्द का बाहरी चिन्ह है ।जीवन की सबसे प्यारी और उत्तम से उत्तम वस्तु एक बार हँस लेना तथा शरीर को अच्छा रखने की अच्छी से अच्छी दवा एक बार खिलखिला उठना है । पुराने लोग कह गए हैं कि हँसो और पेट फुलाओ ।हँसीकितने ही कला कौशलों से भली है । जितना ही अधिक आनंद से हंसोगे उतनी ही आयु बढ़ेगी ।एक यूनानी विद्वान कहता है कि सदा अपने कर्मों पर खीझने वाला हेरीक्लेस बहुत कम जिया, पर प्रसन्न मन डेमोक्रीटस 109 वर्ष तक जिया ।हँसी-खुशी का नाम जीवन है ।जो रोते हैं उनका जीवन व्यर्थ है ।कवि कहता है _"जिंदगी जिंदादिली का नाम है , मुर्दा दिल क्या खाक जिया करते हैं । " मनुष्य के शरीर के वर्णन पर एक विलायती विद्वान ने पुस्तक लिखी है ।उसमें वह कहता है कि उत्तम सुअवसर की हँसी उदास से उदास मनुष्य के चित्त को प्रफुल्लित कर देती है ।</p> <p>आनंद एक ऐसा प्रबल इन्जन है कि उससे शोक और दुःख की दिवारों को ढा सकते हैं । प्राण रक्षा के लिए सदा सब देशों में उत्तम से उत्तम उपाय मनुष्य के चित्त को प्रसन्न रखना है ।सुयोग्य वैध</p>	5	Understanding

	<p>अपने रोगी के कानों में आनंद रूपी मंत्र सुनाता है प्रश्न- 1</p> <p>हँसी भीतरी आनन्द को कैसे प्रकट करती है?</p> <p>प्रश्न - 2 पुराने समय में लोगों ने हँसी को महत्व क्यों दिया?</p> <p>प्रश्न- 3 प्रस्तुत गद्यांश का उचित शीर्षक दीजिए ।</p>		
3	<p>प्रश्न-3 'हरिहर काका ' कहानी के आधार पर बताइये कि एक महंत से समाज की क्या अपेक्षा होती है? उक्त कहानी में महंतों की भूमिका पर टिप्पणी कीजिए ।</p>	5	HOT
4	<p>प्रश्न- 4 निम्नलिखित प्रश्नों के उत्तर लिखिए-----</p> <p>(क) सदा फूल से खिले रहने वाले तुम आज दुखी क्यों हो । (सर्वनाम पद बंध)रेखांकित कीजिए-</p> <p>(ख) निर्धन व्यक्ति कठोर परिश्रम कर रहा है । (विशेषण पद बंध) रेखांकित कीजिए-</p> <p>(ग)तुम सच बोल रहे हो ।(क्रिया पद बंध) रेखांकित कीजिए</p> <p>(घ) सोहन भागकर घर पहुँचा । (क्रिया विशेषण पद बंध))रेखांकित कीजिए</p> <p>(ड) बस फुटपाथ पर चढ़ गई । (संग्या पदबन्ध) रेखांकित कीजिए</p>	5	Interdisciplinary
5	<p>प्रश्न- 5 सुभाष बाबू के जुलूस में स्त्री समाज की क्या भूमिका रही</p>	5	Analytical Skill
6	<p>प्रश्न- 6 अपने पुराने मकान को बेचने संबंधी विज्ञापन का आलेख तैयार कीजिए-</p>	5	Critical Thinking and Problem Solving
7	<p>प्रश्न- 7 निम्नलिखित समस्त पदों का विग्रह कीजिए ।</p> <p>क .आराम कुर्सी ख. जाति -भ्रष्ट</p> <p>ग . हस्तलिखित घ. दशानन ड. आमरण</p>	5	Evaluation
8	<p>प्रश्न - 8 ' पहला सुख निरोगी काया ' इस विषय पर अपने विचार 100 से 150 शब्दों में लिखिए ।</p>	5	Communication Skills



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WORKSHEET (SELF –ASSESSMENT)

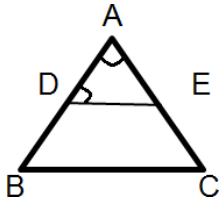
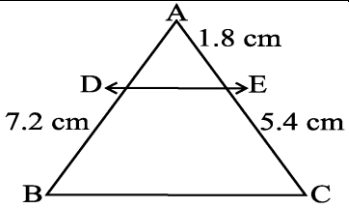
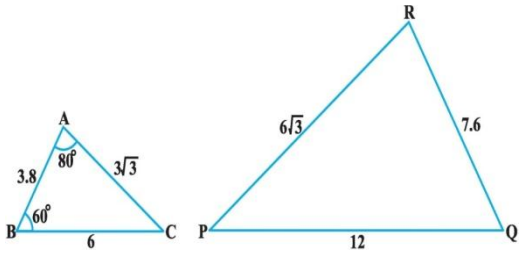
Subject: Mathematics

Assignment No. : 4

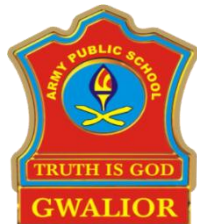
Allotment Date: 18 July 2021

CH. 6 : TRIANGLES

S. NO.	QUESTIONS	MARKS	NATURE
1	The areas of two similar triangles are 81cm^2 and 49cm^2 respectively, the ratio of their corresponding sides is: (a) 81:49 (b) 9:7 (c) $81^2:49^2$ (d) 49:81	1	Understanding
2	If the diagonals AC and BD of a trapezium ABCD intersect at o such that $DO:OB = 1:2$ then which of the following is correct: (a) $AB=2CD$ (b) $CD=2AB$ (c) $AC=2BD$ (d) $BD=2AC$	1	Understanding
3	ABC and BDE are two equilateral triangles such that D is the mid-point of BC. The ratio of the areas of triangles ABC and BDE is: a) 2:1 (b) 1:2 (c) 4:1 (d) 1:4	1	Understanding
4	If ABC and DEF are similar triangles such that $\angle A = 47^\circ$ and $\angle E = 83^\circ$, then $\angle C = ?$ (a) 50° (b) 60° (c) 70° (d) 80°	1	Interdisciplinary
5	A vertical pole of length 20 m casts a shadow 10 m long on the ground and at the same time a tower casts a shadow 50 m long, then the height of the tower : (a) 100 m (b) 120 m (c) 25 m (d) none of these	1	Analytical Skill
6	If $\triangle ABC$ and $\triangle DEF$ are similar such that $2AB = DE$ and $BC = 8\text{ cm}$, then $EF =$ (a) 16 cm. (b) 112 cm. (c) 8cm. (d) 4cm	1	Critical Thinking and Problem Solving

7	If D, E, F are midpoints of sides BC, CA and AB respectively of $\triangle ABC$, then the ratio of the areas of triangles DEF and ABC is: (a)2:3 (b)1:4 (c) 1 :2 (d) 4:5	1	Application
8.	Two poles of height 6 m and 11 m stand vertically upright on a plane ground. If the distance between their foot is 12 m, the distance between their tops is a) 14 cm(b) 12 cm(c) 13 cm (d) 11 cm	1	Analytical Thinking
9	XY is drawn parallel to the base BC of $\triangle ABC$ cutting AB at X and AC at Y If $AB = 4BX$ and $YC = 2$ cm, then $AY =$ (a)2 cm (b) 6 cm (c) 8 cm (d) 4 cm	1	Understanding
10	In the given fig. $DE \parallel BC$, $\angle ADE = 70^\circ$ and $\angle BAC = 50^\circ$, then angle $\angle BCA =$ _____ 	1	Interdisciplinary
11	$\triangle ABC \sim \triangle DEF$, such that $ar(\triangle ABC) = 64 \text{ cm}^2$ and $ar(\triangle DEF) = 121 \text{ cm}^2$. If $EF = 15.4$ cm, find BC .	2	Interdisciplinary
12.	 In the above figure, $DE \parallel BC$, find AD	2	Interdisciplinary
13	Diagonals of a trapezium ABCD with $AB \parallel CD$ intersect at O. If $AB = 2CD$, find the ratio of areas of triangles AOB and COD.	2	Evaluation
14	Find $\angle B$ in $\triangle ABC$, if $AB = 6\sqrt{3}$ cm. $AC = 12$ cm and $BC = 6$ cm.	2	Analytical Thinking
15.	 In the given below figure, the value of $\angle P$ is:	2	Evaluation

16.	ABC and BDE are two equilateral triangles such that D is the midpoint of BC. What is the ratio of the areas of triangles ABC and BDE.	2	Evaluation
17.	In $\triangle ABC$, $AD \perp BC$. Prove that $AB^2 - BD^2 = AC^2 - CD^2$	2	Application
18.	If a line intersects sides AB and AC of a $\triangle ABC$ at D and E respectively and is parallel to BC, prove that $AD/AB = AE/AC$	3	Problem solving
19.	D is a point on the side BC of a triangle ABC such that $\angle ADC = \angle BAC$. Show that $CA^2 = CB \cdot CD$.	3	Interdisciplinary
20.	If AD and PM are medians of triangles ABC and PQR, respectively where $\triangle ABC \sim \triangle PQR$, prove that $\frac{AB}{PQ} = \frac{AD}{PM}$.	3	Evaluation
21.	State and prove THALES THEOREM	5	Logical thinking
22	State and prove Pythagoras theorem	5.	Logical thinking



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CLASS -X

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WORKSHEET (SELF –ASSESSMENT)

Subject: Science

Assignment No. : 4

Allotment Date: 18 July 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Q1. Why is silver chloride kept in dark coloured bottles? Q2 Write relation between heat energy produced in a conductor when a potential difference V is applied across its terminals and a current I flows through for 't' Q3. Name the respiratory pigment present in Human Beings.	1 1 1	Information
2	Q4. Why the athletes develop cramps sometimes. Write the reason. Q5. Differentiate between aerobic and anaerobic respiration. Q6. Which among the following changes are exothermic or endothermic in nature? a) Dilution of sulphuric acid. b) Decomposition of lead nitrate. c) Oxidation of magnesium metal.	3 3 3	Understanding
3	Q7. Two identical wires one of nichrome and other of copper are connected in series and a current (I) is passed through them. State the change observed in the temperatures of the two wires. Justify your answer. State the law which explains the above observation.. Q8. A copper coin was kept dipped in silver nitrate solution for a few hours. What will happen to the copper coin? What will happen to the colour of the solution?	3 3	HOT
4	Q9. Why blood circulation is called double circulation in humans. Explain with the help of flow chart. Q10. Draw a well labelled diagram of human respiratory system.	3 3	Interdisciplinary

5	<p>Q11. Write the balanced chemical equation for the following reaction.</p> <p>a) Copper sulphate on treatment with potassium iodide precipitates cuprous iodide liberates iodine gas and also forms potassium sulphate.</p> <p>b) Sodium hydrogen carbonate on reaction with hydrochloric acid gives sodium chloride, water and liberates carbon dioxide gas.</p> <p>c) Aluminium metal strip is added in hydrochloric acid to produce aluminium chloride and hydrogen gas.</p> <p>d) Carbon disulphide burns in air to give carbon dioxide and sulphur dioxide.</p> <p>e) Barium chloride reacts with zinc sulphate to give zinc chloride and barium sulphate.</p>	5	Analytical Skill
6	<p>Q12. Three bulbs each having power P are connected in series in an electric circuit. In another circuit, another set of three bulbs of same power are connected in parallel to the same source.</p> <p>(i) Will the bulbs in both the circuits glow with the same brightness? Justify your answer.</p> <p>(ii) Now let one bulb in each circuit get fused. Will the rest of the bulbs continue to glow in each circuit? Give reason.</p> <p>(iii) Representing each bulb by a resistor, draw circuit diagram for each case.</p>	5	Critical Thinking and Problem Solving
7	<p>Q13. Name three types of blood vessels and write one characteristic of each.</p> <p>Q14. A torch bulb is rated 2.5 V and 750 mA. Calculate</p> <p>(i) its power</p> <p>(ii) its resistance</p> <p>(iii) the energy consumed, if this bulb is lighted for four hours.</p>	3 3	Evaluation



ARMY PUBLIC SCHOOL GWALIOR

CLASS -X

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Social Science

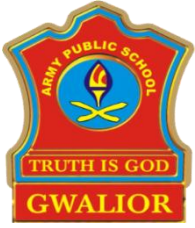
Assignment No. : 4

Allotment Date: 18 July 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Mention any two reasons of water scarcity.	1	Information
2	Why do social movements like the 'Narmada Bachao Andolan' and 'Tehri Dam Andolan' resist the building of multi-purpose projects and large dams ?	1	Understanding
3	Who are benefited from the multipurpose projects ?	1	Understanding
4	What was the aim of the Black power movement ? (a) To establish the black power (b) To end the white supremacy (c) To strengthen the position of the blacks (d) To end racism in the US.	1	Understanding

5	.Why do social differences arise ?	1	Understanding
6	In India sector is the largest employer while sector is the largest income generator.	1	Critical Thinking and Problem Solving
7	Identify the sector that provides services like education, sanitation system, water etc.	1	Understanding
8	Correct the following statement and rewrite it . The sum total of all the goods and services produced in all sectors provides GDP.	1	Understanding
9	Which of the following is true for GDP ? (a) It includes the value of final goods and services produced within a country. (b) It is measured for one year. (c) Both(a) and(b) are true. (d) Both(a) and(b) are false.	1	Information
10	In the question given below, there are two statements marked as assertion (A) and reason (R) . Read the statements and choose the correct option . Assertion (A) Agriculture is an activity of the organised sector in India. Reason (R) Most of the workers working in agriculture are employed only during harvesting and sowing season. (a) Both (A) and (R) are true and (R) is the 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 false , but (R) is true.	1	Critical Thinking and Problem Solving
11	What do you know about origins of social differences?	3	Information

12	Why is the tertiary sector becoming the most important in India ?	3	Analytical Skill
13	Compare the advantages and disadvantages of multi – purpose river projects ?	3	Evaluation
14	How are the three sectors of economy interdependent ?	3	HOTS
15	How are overlapping differences are different from cross cutting ?	5	Information
16	Throw light on the quantitative aspects of water scarcity.	5	HOTS
17	What is the meaning of ‘ Under employment’ ? In which economic sector are under employment conditions more prevalent ? why it is so? Explain.	5	Evaluation
18	On an outline map of India locate and label the following with suitable symbols. (i) Rana Pratap Sagar Dam . (ii) Salal Dam. (iii) Koyna Dam	3	Information



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CLASS -X

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Computer

Assignment No. : 4

Allotment Date: 18 July 2021

Name of the Application – MS-Access 2010

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>Choose and write the correct option (MCQ):-</p> <p>(i). The process of arranging items according to certain sequence is called :</p> <p>(a) Filter</p> <p>(b) Sorting</p> <p>(c) Encryption</p> <p>(d) Import/Export</p> <p>(ii). The process of displaying selective data based on criteria is called :</p> <p>(a) Filtering</p> <p>(b) Encryption</p> <p>(c) Sorting</p> <p>(d) Import/Export</p> <p>(iii) To apply filter, you need to apply : :</p> <p>(a) Encryption</p> <p>(b) Sort</p> <p>(c) Criteria</p> <p>(d) Glue</p>	$\frac{1}{2} \times 4 = 2$	Information

	<p>(iv) Which type of data has a maximum size of 255 characters:?</p> <p>(a) Text</p> <p>(b) Memo</p> <p>(c) Number</p> <p>(d) Hyperlink</p>		
2	<p>Fill in the blanks-</p> <p>(i) Sorting option is under ____ group..</p> <p>(ii) For Applying text filters, in the Filter menu point to _____ options.</p> <p>(iii) For importing/exporting data, click on _____ tab.</p> <p>(iv) For Applying number filters, in the Filter menu point to _____ options.</p>	$\frac{1}{2} \times 4=2$	Understanding and Problem Solving
3	<p>Write short notes on following-</p> <p>(i) Sorting</p> <p>(ii) Filtering</p> <p>(iii) Encryption</p> <p>(iv) Primary Key</p> <p>Validation Rule</p>	$\frac{1}{2} \times 4=2$	Critical Thinking
4	<p>Answer the following questions -</p> <p>(i) What kind of password should you choose for encryption?</p> <p>(ii) How can Encryption safeguard your database?.</p> <p>(iii) What do you understand by text filters? Explain with an example..</p> <p>(iv) Which tab, group and option are used to export data in an HTML format?.</p>	$1 \times 4= 4$	HOT



ARMY PUBLIC SCHOOL GWALIOR



CLASS -X

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Health and Physical Education

Assignment No. : 4

Allotment Date: 18 July 2021

S.N	QUESTIONS	NATURE	MARKS
1	MCQ 1. In double knock out or double elimination how many times the team must be defeated to be eliminated. a) 1 b) 2 c) 3 d) 4	Analytical	4×1=4
	2. How many number of matches are played in single knock out of 8 teams or players. a) 5 b) 8 c) 6 d) 7	Analytical	
	3. Total number of matches in double knock out tournament is a) N-1 b) N -2 c) 2N-1 d) 2N	Understanding	
	4. Standardized national-level data on the provision of and participation, performance, and extent of engagement in vigorous- or moderate-intensity physical activity are insufficient to allow assessment of the current status and trends in physical education in which country? a) United Kingdom b) France c) United States Of America d) Canada	Informatory	

2.	Fill in the blanks 1. A _____ is a competition involving relatively large number of competitors, all participating in a sports or game.	Understanding	3×1=3
	2. The formula for no. of matches in single knock out is _____ .	Informatory	
	3. Students are more _____ active on days on which they have physical education	Understanding	
3.	True or False 1. Quality physical education has no support from both parents and child health professional organizations.	Understanding	3×1=3
	2. All organized sports have rules that ensure participants play according to their wish.	Understanding	
	3. Enjoy the Wins and Learn from the Losses is basic rule of sports.	Understanding	



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CLASS -X

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Work Education

Assignment No. : 4

Allotment Date: 18 July 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Which state is famous for paper mache? A.Madhya Pradesh B.Uttar Pradesh C.Uttarakhand D. West Bengal	1 mark	Creative Skills
2	Who brought paper mache to Kashmir? A.Sultan Zain-ul-Abadin B. MaqboolFida Hussain C.Raja Ravi Varma D. Amrita Sher-Gil	1 mark	Creative Skills
3	What is the Meaning of Paper Mache? A.chewed or crushed paper B. Coloured paper C. Sheets D. Stencils	1 mark	Creative Skills
4	The traditional method of making papier-mâché adhesive is to use a mixture of _____. A.water and wheat	1 mark	Creative Skills

	<p>B. water and grains</p> <p>C. water and flour</p> <p>D. water and colour</p>		
5	<p>The _____type of paper mache is most often used to create molded and sculpted A.pieces.</p> <p>B. Pulp</p> <p>C. Strip</p> <p>D.Rough</p> <p>Glossy</p>	1 mark	Creative Skills
6.	<p>The _____ form is used to cover existing surfaces, making hollow and flat pieces like pinatas and masks.</p> <p>A.Pulp</p> <p>B. Strip</p> <p>C. Rough</p> <p>D.Glossy</p>	1 mark	Creative Skills
7	<p>Paper mache was invented in _____.</p> <p>A.India</p> <p>B.China</p> <p>C. Australia</p> <p>D. Sweden</p>	1 mark	Creative Skills
8	<p>Who initiated the texture of plaster and stucco?</p> <p>A.French</p> <p>B. German</p> <p>C.Japanese</p> <p>D.Spanish</p>	1 mark	Creative Skills
9	<p>Which material is not required in paper mache?</p> <p>A.Plasticputty</p> <p>B. Glue</p> <p>C. Chalk powder</p> <p>D. Coconut oil</p>	1 mark	Creative Skills
10	<p>Which among these is the picture of Paper Mache art?</p>	1 mark	Creative Skills

A



B



C



D





ARMY PUBLIC SCHOOL GWALIOR

CLASS -X

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Music

Assignment No. : 4

Allotment Date: 18 July 2021

Sr. no.	Answer the following Question	Nature	Marks 1x10= 10
1	Why is bhoomipranam is done ? A)Seeking permission ? B)Seeking Blessing C)Both A and B	Understanding	1
2	When is bhoomipranam is done? A)Before starting our dance B)In the last of our dance C) Both A and B	Understanding	1
3	How many variation are there in Bhoomipranam? A)3 B)6 C)2	Informative	1
4	Teen taal is very important taal in----- ----- A)Dance	Creative	1

	B)Music C)Both A and B		
5	What is the other name of bhoomipranam? A)Kavitt B)Namshkar C)Shlok	Analytical skill	1
6	Teen taal is the related to contemporary dance ? True / False	Informative	1
7	Bhoomipranam is the way of offering respect and love ? True / false	Understanding	1
8	Bhoomipranam, is the part of all classical dance ? True / False	Informative	1
9	Teen taal is the initial taal of ----- --- dance	Informative	1
10	Teen taal is the played of ----- -----	Informative	1