



ARMY PUBLIC SCHOOL GWALIOR

CLASS - X

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: English

Assignment No. : 10

Allotment Date: 15 January 2022

S. No	QUESTIONS	MARKS	NATURE
1	You recently went shopping at the local supermarket. When you got home and noticed your bill, you found that you had been charged for items you did not purchase. Write a letter to the supermarket manager explaining what has happened. Tell the manager how you feel about the error and what you would like him/her to do about it.(100-120 words)	[6]	Information
2	Read the following excerpt from an article that appeared in the magazine section of a local daily. The ban on single-use plastic is impractical. The purpose of articles like bags and packaging is ultimately to make human life easier. Plastic articles do this well, so they shouldn't be banned. Write a paragraph to analyse the given argument. You could think about what alternative explanations might weaken the given conclusion and include rationale/ evidence that would strengthen/counter the given argument..	[6]	Communication Skill
3	Through 'the Sermon at Banaras', the Buddha preached that death is inevitable and we need to overcome the suffering and pain that follows. Based on your reading of the lesson, write how one should cope with the death of a loved one. OR "The Proposal" is really a great comedy. It is full of great comedy and full of great humour. Explain the statement.	[6]	HOT
4	Fill in the blanks by choosing the correct option of the sentences given below. Rescue efforts resumed after _____ entire city was evacuated amid fears that it could be engulfed by a river bursting _____ banks, 1. (a) the, its (b) them, themselves (a) an, their (d) the, their 2. If he _____ the conditions of the insurance policy carefully, he _____ that it did not cover such eventualities. a) reads, has realised	[4]	Interdisciplinary

	<p>b) is reading, realises c) were reading, had realised d) had read, would have realised</p> <p>3. Skiers wear lots of protective clothing_____ they don't get hurt if and when they fall. (a) because (b) in order that (c) though (d) so long as</p> <p>4. _____ child will be given a role, however small, in the play. a) The whole b) Both c) Each d) Many</p>		
5	<p>Rewrite the following sentences in reported speech.</p> <p>1. The plumber said to the lady," I will replace the tap next week." 2. Gita met Nirmala and said," I liked the sun cakes that you sent." 3. Vineeta said," The information is being downloaded from the internet." 4. The old man said to the sailor," The sea will be rough according to the weather forecast."</p>	[4]	Analytical Skill
6	<p>7. Read the extract and answer the following. "I'm off my balance with joy, absolutely off my balance! Oh, with all my soul...I'll go and call Natasha, and all that." a) Who is the speaker? b) Why is he so very happy? c) Why is he going to call Natasha? d) Give the meaning of ' off my balance'.</p>	[4]	Understanding
7	<p>Answer the following questions in about 30 to 40 words only.</p> <p>a) What scenes made Gautama Buddha seek enlightenment? b) What do you learn about Natalya from the play" The Proposal"? c) Write a brief character sketch of Lomov.</p>	[6]	Evaluation
8	<p>Answer the following questions in about 40-50 words only.</p> <p>a) What were the reasons which caused a great suffering to Matilda? OR A person may appear humble but actually he may not be so. Appearances can be deceptive. Explain in context of the story 'The Hack Driver'</p>	[4]	Critical Thinking and Problem Solving



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WORKSHEET (SELF -ASSESSMENT)




Subject: Hindi

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	अपने विद्यालय के प्रधानाचार्य को प्रार्थना पत्र लिखिए जिसमें विद्यालय के पुस्तकालय के लिए हिंदी पत्रपत्रिकाएँ मँगवाने का - अनुरोध किया गया हो।	5	Information
2	मध्य प्रदेश राज्य पर्यटन निगम की ओर से पर्यटन को बढ़ावा देने के लिए एक विज्ञापन तैयार कीजिए।	5	Communication Skills
3	निम्नलिखित पंक्तियों का भाव स्पष्ट कीजिये- 1 जिंदा रहने के मौसम बहुत हैं मगर जान देने की रत रोज आती नहीं हुस्न और इश्क दोनों को रुस्वा करे वो जवानी जो खूँ में नहाती नहीं आज धरती बनी है दुलहन साथियो अब तुम्हारे हवाले वतन साथियो 	10	Interdisciplinary

	<p>2- खींच दो अपने खूँ से जमीं पर लकीर इस तरफ आने पाए न रावन कोई तोड़ दो हाथ अगर हाथ उठने लगे छू न पाए सीता का दामन कोई राम भी तुम, तुम्हीं लक्ष्मण साथियो अब तुम्हारे हवाले वतन साथियो</p> 		
4	कर चले हम फ़िदा ' कविता के द्वारा कवि क्या सन्देश देना चाहता है ?	5	Analytical Skill
5	<p>निम्नलिखित में से किसी एक विषय पर 100 से 150 शब्दों में अनुच्छेद लिखिए।</p> <p>(क)- बढ़ती जनसंख्या : प्रगति में बाधक अथवा</p> <p>(ख) मोबाइल फ़ोन सुखद व दुखद भी :</p>	6	Critical Thinking and Problem Solving
6	<p>निम्नलिखित प्रश्नों के उत्तर दीजिए</p> <p>1 कवि ने इस कविता में किस काफ़िले को आगे बढ़ाते रहने की बात कही है ?</p> <p>2 गीत में ऐसे क्या खास बात होती है कि वे जीवन भर याद रह रह जाते हैं ?</p> <p>3 इस गीत में ' सर पर कफ़न बाँधना ' किस ओर संकेत करता है?</p>	9	Evaluation



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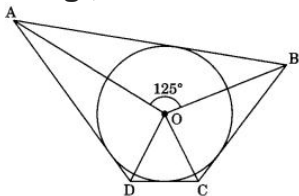
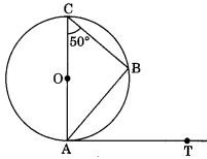
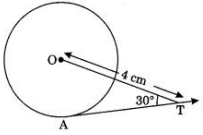
WORKSHEET (SELF -ASSESSMENT)



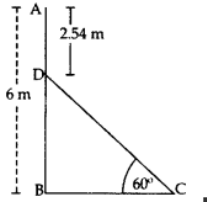
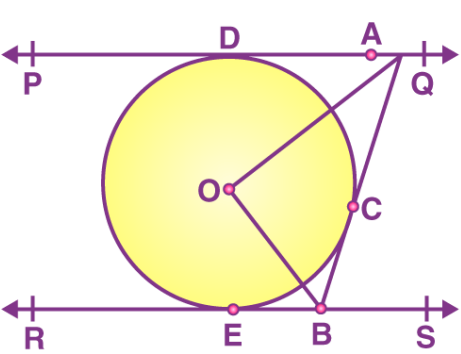
Subject: Mathematics

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	. If radii of two concentric circles are 4 cm and 5 cm, then the length of each chord of one circle which is tangent to the other circle is (a) 3 cm (b) 6 cm (c) 9 cm (d) 1 cm	1	understanding
2	In Fig., if $\angle AOB = 125^\circ$, then $\angle COD$ is equal to  (a) 62.5° (b) 45° (c) 35° (d) 55°	1	application
3	If Fig., AB is a chord of the circle and AOC is its diameter such that $\angle ACB = 50^\circ$. If AT is the tangent to the circle at the point A, the $\angle BAT$ is equal to  (a) 65° (b) 60° (c) 50 (d) 40°	1	understanding
4	At one end A of a diameter AB of a circle of radius 5 cm, tangent XAY is drawn to the circle. The length of the chord CD parallel to XY and at a distance 8 cm from A is (a) 4 cm (b) 5 cm (c) 6 cm (d) 8 cm	1	Interdisciplinary
5	In Fig., AT is a tangent to the circle with centre O such that $OT = 4$ cm and $\angle OTA = 30^\circ$. Then AT is equal to  (a) 4 cm (b) 2 cm (c) $2\sqrt{3}$ cm (d) $4\sqrt{3}$ cm	1	Analytical Skill

6	<p>If the length of the shadow of a tree is decreasing then the angle of elevation is:</p> <p>(a) Increasing (b) Decreasing (c) Remains the same (d) None of the above</p>	1	Critical Thinking
7	<p>The angle of elevation of the top of a building from a point on the ground, which is 30 m away from the foot of the building, is 30°. The height of the building is:</p> <p>(a) 10 m (b) $30/\sqrt{3}$ m (c) $\sqrt{3}/10$ m (d) 30 m</p>	1	application
8.	<p>If the height of the building and distance from the building foot's to a point is increased by 20%, then the angle of elevation on the top of the building:</p> <p>(a) Increases (b) Decreases (c) Do not change (d) None of the above</p>	1	Analytical Thinking
9	<p>If a tower 6m high casts a shadow of $2\sqrt{3}$ m long on the ground, then the sun's elevation is:</p> <p>(a) 60° (b) 45° (c) 30° (d) 90°</p>	1	Understanding
10	<p>The angle formed by the line of sight with the horizontal when the point is below the horizontal level is called:</p> <p>(a) Angle of elevation (b) Angle of depression (c) No such angle is formed (d) None of the above</p>	1	Application
11	<p>Given a right triangle PQR which is right-angled at Q. QR = 12 cm, PQ = 5 cm. The radius of the circle which is inscribed in triangle PQR will be?</p>	2	Interdisciplinary
12.	<p>Prove that the tangents drawn at the ends of a diameter of a circle are parallel.</p>	2	Application
13	<p>Two concentric circles are of radii 5 cm and 3 cm. Find the length of the chord of the larger circle which touches the smaller circle.</p>	2	Evaluation
14	<p>If a tower 6m high casts a shadow of $2\sqrt{3}$ m long on the ground, then find the sun's elevation</p>	2	Analytical Thinking
15.	<p>A ladder, leaning against a wall, makes an angle of 60° with the horizontal. If the foot of the ladder is 2.5 m away from the wall, find the length of the ladder.</p>	2	Evaluation

16.	If a tower 30 m high, casts a shadow $10\sqrt{3}$ m long on the ground, then what is the angle of elevation of the sun?	2	Evaluation
17.	In the figure, two tangents TP and TQ are drawn to a circle with centre O from an external point T, prove that $\angle PTQ = 2\angle OPQ$.	2	Analytical thinking
18.	In the figure, AB is a 6 m high pole and CD is a ladder inclined at an angle of 60° to the horizontal and reaches up to a point D of pole. If AD = 2.54 m. Find the length of the ladder. (Use $3-\sqrt{3} = 1.73$) 	3	Problem solving
19.	The tops of two towers of height x and y, standing on level ground, subtend angles of 30° and 60° respectively at the centre of the line joining their feet, then find x : y.	3	Evaluation
20.	In the figure, PQ and RS are two parallel tangents to a circle with centre O and another tangent AB with point of contact C intersecting PQ at A and RS at B. Prove that $\angle AOB = 90^\circ$. 	5	Interdisciplinary
21	The angles of depression of two ships from the top of a light house and on the same side of it are found to be 45° and 30° . If the ships are 200 m apart, find the height of the light house.	5	interdisciplinary



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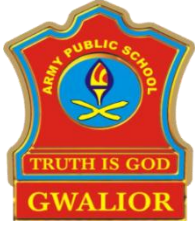


Subject: Science

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	Q1. Why do alkanes burn with a blue flame?	1	Information
	Q2. What is the pattern of magnetic field around a current carrying conductor?	1	
	Q3. Name the male sex hormone.	1	
2	Q4. According to you, what can be the likely measures to maintain woman's health during pregnancy?	3	Understanding
	Q5. List one function of each of the following: a. Pollen tube b. Petal c. Stamen	3	
	Q6. Write chemical equations for what happens when (a) Sodium metal is added to ethanoic acid (b) Solid sodium carbonate is added to ethanoic acid (c) Ethanoic acid reacts with a dilute solution of sodium hydroxide.	3	
3	Q7. What will happen if a current carrying conductor is placed in magnetic field? How can the direction of magnetic field be found out?	3	HOT
	Q8. Differentiate between alkanes and alkenes. Name and draw the structure of one member of each.	3	
4	Q9. Draw a neat and well labelled diagram of Male reproductive system.	3	Interdisciplinary
	Q10. List three points of significance of reproductive health in a society. Name any two areas related to reproductive health which has improved over the past 50 years in the country.	3	
5	Q11 Give one example each of: 1. Cracking 2. Hydrogenation 3. Dehydration 4. Substitution reaction 5. Addition reaction..	5	Analytical Skill
6	Q12. With the help of a labelled circuit diagram illustrate the pattern of field lines of the magnetic field around a current carrying straight long conducting wire. How is the right hand thumb rule useful to find direction of magnetic field associated with a current carrying conductor?	5	Critical Thinking and Problem Solving
7	Q13. Write one main difference between asexual and sexual mode of reproduction. Which species is likely to have better chances of survival-the one reproducing asexually or the one reproducing sexually? Give reason to justify your answer. Q14. Write down a short note on magnetic field produced by a solenoid.	3	Evaluation
		3	



ARMY PUBLIC SCHOOL GWALIOR

CLASS - X

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Social Science

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	What do you mean by accountable government ?	1	Information
2	Democracy is better than any other form of government because it... a) Promotes equality among citizens b) Enhances the dignity of the individual c) Improves the quality of decision making d) All of the above	1	Understanding
3	Define democracy.	1	Understanding
4	The extreme south western port of India is a) Tuticorin Port b) Kochhi Port c) New Mangalore port d) None of these	1	Information
5	The National Highway No. 1 is also known as a) Mahatma Gandhi Marg b) Sher Shah Suri Marg c) Golden Quadrilateral d) Jawahar Lal Nehru	1	Information

6	Which of the following organisation constructs Border Roads in India? a) PWD b) CPWD c) BRO d) NHAI	1	Understanding
7	Ranbaxy is a Multi National company which is associated with a) Automobiles b) Nuts and bolts c) Medicines d) Information technology	1	Understanding
8	What is the aim of World Trade Organisation ?	1	Understanding
9	The most important factor that has stimulated globalisation is a) Population explosion b) Spread of education c) Urbanisation d) Rapid improvement in technology	1	Information
10	What are the investments made by MNCs called ?	1	Information
11	What are the various ways in which MNCs set up or control production in other countries?	3	Information
12	Why is a dense network of railway transport found in North Indian Plains?	3	Analytical Skill
13	What are the conditions under which democracies accommodate social diversities?	3	Analytical Skill
14	How would flexibility in labour laws help companies ?	3	Communication Skills
15	Why are the means of transportation and communication called the lifelines of a nation and its economy?	5	Information

16	“ Democracy is a better form of government than the other forms of government”. Justify the statement.	5	HOTS
17	What are the merits and demerits of globalisation in a developing country such as India?	5	Interdisciplinary
18	On an outline map of India locate and label the following with suitable symbols. (i) Raja Sansi Airport (ii) Indore - Software and Technology Park (iii) Kandla - Seaport	3	Information



ARMY PUBLIC SCHOOL GWALIOR

CLASS - X



ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Health and Physical Education

Assignment No. : 10

Allotment Date: 15 January 2022

S.NO	QUESTIONS	SKILLS	MARKS:- 1X10=10
1.	What is the dimension of football goal post?	Problem-solving	1
2.	What is the shape of football ground?	Initiative	1
3.	What is the height of volleyball net for men?	Problem-solving	1
4.	What is the distance of attack line from the center line in volleyball ground?	Initiative	1
5.	What is the radius of a center circle of football ground?	Leadership	1
6.	What is the distance of penalty spot from goal line?	Thinking	1
7.	What is the measurement of volleyball ground?	Self-regulation	1
8.	What is the height of volleyball net for women?	Initiative	1
9.	What is the height of antenna in volleyball?	Thinking	1
10.	What is the rule of off side in football?	Problem-solving	1



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CLASS - X

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Music (Dance)

Assignment No. : 10

Allotment Date: 15 January 2022

Sr. no.	Answer the following Questions	Nature	Marks 1x10= 10
1	To which religion does sufi dance belongs to?	Informative	1
2	What is Vandana?	Informative	1
3	Vandana involves invocation of which god?	Informative	1
4	Sufi dance is similar to hinduism and yoga.True or false?	Informative	1
5	Sufi is a form of dance or a drama?	Informative	1
6	Is Vandana is done in all the classical forms?	Thinking	1
7	The word whirling is related to which dance?	Thinking	1
8	Sufi whirling is the form of_____worship.	Informative	1
9	The sufi's twirl in continuous motion symbolising reaching for the_____	Informative	1
10	The meditative like state comes into which dance form?	Informative	1