ARMY PUBLIC SCHOOL GWALIOR
CLASS -XII
ACADEMIC SESSION 2020-21
WORKSHEET

Subject: English   **Assignment No. : 4**

Allotment Date: 15 July 2020

S. NO.	QUESTIONS	MARKS	NATURE
1	The Citizens Awareness Forum of your city has decided to launch a campaign against the use of drugs. You are asked to get posters prepared. Design an attractive and effective poster against the use of drugs.(50-60 words)	4	Information
2	Read the extract given below and answer the questions that follow. "Those who prepare green wars Wars with gas ,wars with fire, Victory with no survivors Would put on clean clothes And talk about with their brothers In the shade, doing nothing." (i)Identify the poem and the poet. (ii)What sort of wars are mentioned in the above lines? (iii)What kind of victory will it be?	4	Understanding

	(iv)How should the lovers of war behave?		
3	The peddler thinks that the whole world is a rattrap. This view of life is true only of himself and no one else in the story. Comment .Answer in about 120-150 words.	6	HOT
4	You were a witness of a daring daylight robbery .When you had gone to your bank for some personal work. Write a report on the incident in about 150-200 words.	10	Interdisciplinary
5	The peddler believed that the whole world is a rattrap. How did he himself get caught in the same. Answer in about 120-150 words.	6	Analytical Skill
6	You are Rita / Rohan. Write a letter to the Editor, The Times of India ,Lucknow, about your village which does not have a Primary Health Centre .The sick villagers have to travel a long distance for medical help. Many villagers have died due to lack of timely medical care.	6	Critical Thinking and Problem Solving
7	Answer the following questions in 30-40 words each. (i)Why did Tishani Doshi board the 'Akademic Shokalskly'?What did her journey involve? (ii) Why had Hana to wash the wounded man herself ?	2x2=4	Evaluation

Subject: Hindi   **Assignment No. : 4**

Allotment Date: 15 July 2020

S. NO.	QUESTIONS	MARKS 40	NATURE
1	हर व्यक्ति के जीवन में एक बार तो ऐसा समय आता ही है जब उसे लगने लगता है कि सारी चीजें विरोध में हैं. वह किसी के लिए कितना भी अच्छा सोचे सामने वाले को गलत ही लगेगा. वह कितनी भी मेहनत कर ले उसे असफलता ही मिलेगी. ऐसे समय में उसके मस्तिष्क में नकारात्मक विचार ही घुमड़ते रहते हैं. जो निरंतर अविश्वास की बारिश करते हैं तथा निराशा में डुबो देते हैं. इस परिस्थिति में मनुष्य को सरल मार्ग दिखाई देता है आत्महत्या का. किन्तु आत्महत्या कर जीवन को विराम देना कोई समाधान नहीं है. यदि ऐसी स्थिति में कोई आगे बढ़कर हाथ थाम ले, कोई सहारा दे तो हो सकता है कि जीवन से निराश व्यक्ति का जीवन भी प्रकाशित हो जाए और ऐसा व्यक्ति अवसाद से मुक्त हो इतना बड़ा कार्य करे कि इतिहास ही रच दे, और लोग दाँतों तले अँगुली दबा लें. कहने का तात्पर्य है कि यदि हम किसी हताश-निराश व्यक्ति को प्रेरित करते हैं तो उसका मनोबल बढ़ता है. उसका आत्मविश्वास जाग जाता है और यहीं से आरम्भ होता है असंभव को संभव कर दिखाना. देखा जाए तो हर व्यक्ति की अपनी क्षमताएँ एवं सीमाएं होती हैं, किन्तु विपरीत परिस्थिति होने पर उसे अपनी ही शक्ति पर अविश्वास सा होने लगता है. ऐसे में उसका मनोबल डगमगाने लगता है, इस स्थिति में थोड़ी सी प्रेरणा ही उसे उत्साहित कर देती है. इस बात को हम ऐसे भी समझ सकते हैं कि जब सबको पता लग चुका था कि सीता जी को लंका का राजा रावण अपहरण कर समुद्र पार कर लंका ले गया है तब भी	5	Information

लंका जाकर सीता जी को ढूंढने का कार्य अथाह समुद्र को पार कौन करे, किसमे है इतना साहस. यह विकट समस्या थी. इस विकट समस्या का समाधान जामवंत ने ढूँढ़ निकाला. उन्होंने हनुमानजी को यह कार्य करे हेतु प्रेरित किया एवं उनमे सोई हुई शक्ति का अहसास दिलाया. हनुमानजी को भी अपने पर भरोसा हुआ और उन्होंने राम-नाम लेते हुए समस्त कार्य पूर्ण कर डाले.

हताशा, निराशा और असफलता जैसे शब्द हमारे जीवन के शब्दकोष में नहीं होने चाहिए. बल्कि महापुरुषों के जीवन से प्रेरणा लेनी व देनी चाहिए. हमें अपने अच्छे कर्मों को यादकर स्वयं उत्साहित हो पुनः ऊर्जा प्राप्त कर हर असंभव को संभव बनाने का प्रयास करना चाहिए,क्योंकि कोशिश करने वाले कभी हारते नहीं हैं.

उपर्युक्त अपठित गद्यांश के आधार पर निम्नलिखित प्रश्नों के उत्तर दीजिए -

प्रश्न 1-व्यक्ति के मन में नकारात्मक विचार कब आते हैं?

प्रश्न 2-नकारात्मक विचार आने पर व्यक्ति को कौन सा मार्ग दिखाई देता है?

प्रश्न 3-निराशा को व्यक्ति कैसे दूर कर सकता है?

प्रश्न 4-निम्नलिखित शब्दों के विलोम शब्द बताएँ -

क-निराशा ख -असफलता

ग-असंभव घ-जीवन

प्रश्न 5- गद्यांश का उचित शीर्षक बताएँ

प्रश्न 6-गद्यांश में किस पौराणिक घटना का वर्णन किया गया है?

प्रश्न 7- कोई चार संयुक्ताक्षर शब्द लिखिए -

प्रश्न 8-उपर्युक्त गद्यांश का एक उपयुक्त शीर्षक दीजिए।

2	प्रश्न – 2 किसी एक विषय पर निबन्ध लिखिए| क. भारतीय किसान ख. विज्ञापन कि दुनिया	5	Understanding
3	प्रश्न – 3 आपके मोहल्ले कि मुख्य सड़क खराब है बरसात में पानी भर जाता है नगर निगम अधिकारी, जहांगीर पूरी को पत्र लिखकर चिंता व्यक्त कीजिए|	5	HOT

4	प्रश्न – 4 निम्नलिखित प्रश्नों के उत्तर दीजिए		5	Interdisciplinary
	1. इंटरनेट क्या है ? 2 संचार के साधन कौन कौन से हैं? 3 संचार के प्रचार क्या क्या हैं? 4 जनसंचार किसे कहते हैं? 5 समूह संचार का प्रयोग कहाँ कहाँ होता है ?		
5	'प्रश्न – 5 "बस्ते के बढ़ता बोझ " विषय पर फीचर लिखो		5	Analytical Skill
6	'विश्वासपात्र मित्र जीवन कि एक औषधि है' विषय पर आलेख लिखिए|	5	Critical Thinking and Problem Solving
7	भारतीय ग्रामीण समाज में विज्ञापन का क्या महत्व युवा वर्ग होता है ? 'बाजार दर्शन " पाठ के आधार पर स्पष्ट कीजिए ?	5	Evaluation
8	दिनों – दिन गहराते पानी के संकट से निपटने के लिए क्या आज युवा वर्ग 'काले मेघा पानी दे' कि इंद्र सेना की तर्ज पर कोई सामूहिक आन्दोलन प्रारम्भ कर सकता है? अपने विचार व्यक्त कीजिए?	5	Communication Skills

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Subject: Mathematics   **Assignment No. : 4**

Allotment Date: 15 July 2020

S. NO.	QUESTIONS	MARKS	NATURE
1	If f(x) = $\begin{cases} 1 + x, if x \geq 0 \\ 1 - x, if x < 0 \end{cases}$ is continuous at x=0, then the value of f (0) is: (a) 0 (b) 1 (c) 2 (d) -1	1	HOT
2	A function f(x) is said to be continuous everywhere, if: (a)it is continuous at x=0 (b)it is differentiable at x=0 (c)it is continuous at two points (d) it is continuous at every real number	1	Understanding
3	If y= log tanx + log cotx, then dy/dx is: (a) 2log tanx (b)0 (c) 1 (d)-1	1	HOT
4	If y= log (xe^x) , then dy/dx is: (a)$\frac{x+1}{x}$ (b)$\frac{x+1}{xe^x}$ (c) e^x(x+1) (d)$\frac{1}{xe^x}$	1	Understanding
5	If y= cot x° , then dy/dx is: (a) cosec x° (b)-1° cosec^{2}x° (c) cosec x°cot x° (d) -1° cos x°	1	Understanding
6	Let R ={(a, a^3): a is prime number less than 4} be a relation. Then the range of R is: (a){8} (b) {8, 27} (c) {27} (d) none of these	1	Understanding

7	Let f: $R \to R$ be a function defined by f(x) = 2x+3. Then $f^{-1}(x)$ is equal to: (a)2x-3 (b)$\frac{x-3}{2}$ (c)$\frac{x-2}{3}$ (d)$\frac{1}{2x+3}$	1	Understanding
8	Let f:$A \to B$ and g :$B \to C$ be the bijective functions. Then $(gof)^{-1}$ is (a)$f^{-1}og^{-1}$ (b)fog (c) $g^{-1}o\, f^{-1}$ (d)gof	1	Information
9	Write the smallest reflexive relation on the set A ={2,3,4}.	1	Information
10	Let the relation R be defined in N by $_aR_b$ if 2a+3b = 30. Find R.	1	Understanding
11	Differentiate $\log(\sin x^4)$ w.r.t. x using chain rule.	1	HOT
12	If x+y=3, then find dy/dx.	1	HOT
13	Differentiate $\tan^{-1}(\frac{1+cosx}{sinx})$ with respect to x.	2	Analytical Skill
14	Find dy/dx, at x=1, y= $\pi/4$, if $\sin^2 y + \cos xy = K$	2	Analytical Skill
15	Find dy/dx, at t= $2\pi/3$, x = 10(t- sin t) and y=12(1-cost)	2	Interdisciplinary
16	Let R be defined on A = {1,2,3,4,5} by R ={(a,b) : $|a^2 - b^2| < 8$}. Find R.	2	Critical Thinking and Problem Solving
17	If f(x) = 4 - $(x-7)^{1/3}$, then write $f^{-1}x$.	2	Interdisciplinary

18	If the function f: $R \to R$ be given by f(x) = x^2+2 and g: $R \to R$ be
	      given by g(x) = $\frac{x}{x-1}$, x $\neq$ 1, find fog and gof and hence find
	      (fog)(2) and (gof)(-3).
		4	Critical Thinking and Problem Solving

19	If $x^m\, y^n = (x+y)^{m+n}$, prove that $d^2y/dx^2 = 0$.	4	Critical Thinking and Problem Solving
20	If y = Pe^{ax} + Q e^{bx} , show that $\frac{d^2y}{dx^2}$- (a+b)$\frac{dy}{dx}$ +aby =0.	4	Critical Thinking and Problem Solving
21	Let A = {1,2,……..,9} and R be the relation in A$\times$ A defined by (a,b) R(c,d) if a+d = b+c, for (a,b), (c,d) in A$\times$ A. Prove that R is an equivalence relation. Also obtain the equivalence class{(2,5}.	6	Critical Thinking and Problem Solving

ARMY PUBLIC SCHOOL GWALIOR
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Subject: Biology   **Assignment No. : 4**

Allotment Date: 15 July 2020

S. NO.	QUESTIONS	MARKS	NATURE
1	**State the role of histones in DNA packaging**?	**02**	Information
2	**What is the difference between heterochromatin and euchromatin**?	**02**	Understanding
3	**Name any three viruses with RNA as the genetic material**	**03**	
4	**Comment on the statement "Retroviruses do not follow central dogma."**	**02**	
5	**What is the reason for the discontinuous synthesis of DNA on one of the parental strands?**	**04**	HOT
6	**What is DNA polymorphism?**	**02**	Interdisciplinary
7	**What is cistron? Differentiate between monocistronic and polycistronic transcription units.**	**03**	Analytical Skill

8	How is an abnormal haemoglobin molecule formed? What are the consequences of such abnormality?	03	
9	Can alternate splicing of exons enable a structural gene to code for several iso-proteins from one and the same gene? Give reasons.	03	
10	Is it possible to use DNA probes such as VNTRs in the DNA fingerprinting of a bacteriophage?	03	Critical Thinking and Problem Solving
11	What is the Human Genome Project? List any six of its features.	03	Evaluation
12	Describe the process of DNA replication. Name and state the functions of the enzymes involved in DNA replication.	05	
13	What is the Human Genome Project? List any six of its features.	05	Communication Skills

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Subject: Chemistry   **Assignment No. : 4**

Allotment Date: 15 July 2020

S. NO.	QUESTIONS	MARKS	NATURE
1	What is the role of depressant in froth floatation process?	2	Understanding
2	State role of silica in the metallurgy of copper.	2	Understanding
3	Name the common elements present in the anode mud in electrolytic refining of copper.	2	Information
4	What criterion is followed for selection of the stationary phase in chromatography?	2	Information
5	What is meant by chromatography?	2	Information
6	Out of C and CO which is a better reducing agent at 673K?	2	Understanding
7	Explain i. Zone refining ii. Column chromatography	3	Interdisciplinary
8	How is cast iron different from pig iron?	3	Analytical skills
9	Differentiate between roasting and calcination. Give example also..	3	Understanding
10	Name the process from which the chlorine is obtained as a by-product. What will happen if aqueous solution of NaCl is subjected to electrolysis?	3	HOT
11	The choice of reducing agent depends on thermodynamic factor. How far do you agree with the statement? Support your answer with two examples.	3	Analytical skills
12	. What is the role of graphite rod in the electrometallurgy of aluminium?	3	understanding

13	Write down the reactions taking place indifferent zones in the blast furnace during extraction of iron. Draw blast furnace also.	5	Interdisciplinary
14	Outline the principles of refining of metals by following methods- a. Electrolytic refining with diagram b. Vapour phase refining with reactions	5	Interdisciplinary

ARMY PUBLIC SCHOOL GWALIOR
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Subject: Physics   **Assignment No. : 4**

Allotment Date: 15 July 2020

S. NO.	QUESTIONS	MARKS	NATURE
1	Calculate the charge carried by 12.5×10^{8} electrons.	2	Information
2	What is the intensity of electric field inside a charged spherical shell?	2	Understanding
3	The charge Q is placed at the centre of a cube with side 'l'. What is the electric flux linked with cubical surface?	2	Interdisciplinary
4	Explain the terms i)quantization of charge and ii) conservation of charge	2	Understanding
5	The electric flux through a closed surface is zero, what do you mean by it?	2	Analytical Skill
6	What is the magnitude of electric field intensity that will balance the weight of an electron? (Given Charge on electron $e = 1.6 \times 10^{-19}$ C. Mass of electron ,m $= 9 \times 10^{-31}$ kg.).	2	Evaluation
7	A piece of paper when brought near a charged body is attracted towards it but after touching the body, it falls away .Why?	3	Communication skill
8	What kinds of charges are produced on each when (i) a glass rod is rubbed with silk second and (ii) an ebonite rod is rubbed with wool?	3	Analytical Skill

9	a) Why is the metallic body of an electroscope earthed during experiment on electrostatic? b) How does the electric flux due to a point charge enclosed by a spherical Gaussian surface get affected when its radius is doubled?	3		Information
10	Two concentric metallic spherical shell of radius R and 3 R are given charges Q_1 and Q_2 respectively. The surface charge densities on the outer surfaces of the shells are equal. Determine the ratio of Q_1: Q_2	3		HOT
11	Calculate the total charge enclosed by a closed surface if the number of electric line of force entering it is 10,000 and leaving is 20,000.	3		Evaluation
12	How does the electric flux due to a point charge enclosed by spherical Gaussian surface get affected when its radius is doubled?	3		HOT
13	Define electric field at a point .Two point charges q and - q are place at a distance 2a apart .Calculate the electric field at a point 'P' situated at a distance 'r' along the perpendicular bisector of the line joining the charges. What is the field when r>> a.	5		Critical thinking and Problem solving
14	Using gauss theorem, drive an expression for the electric field due to a uniformly charged solid sphere (i) at a point inside the sphere(ii) on the surface of the sphere (iii)at a point outside the sphere	5		Interdisciplinary

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Subject: Accountancy   **Assignment No. : 4**

Allotment Date: 15 July 2020

S. NO.	QUESTIONS	MARKS	NATURE
1	What int by a cash flow statement ?	1	Knowledge
2	When does an investment qualify as cash equivalent?	1	Knowledge
3	What is meant by cash equivalents?	1	Knowledge
4	What is meant by Operating activity?	1	Remembering
5	Give one difference between Investing activity and Financing activity?	1	Reasoning
6	State why cash flow statement is not suitable for income statement?	1	Reasoning
7	Under which type of activity will you classify 'commission and royal received'?	1	Knowledge
8	When does flow of cash take place?	1	Knowledge
9	How is purchase of goodwill shown in cash flow statement?	1	Knowledge
10	Give an example of an activity which remain financing for every enterprise.	1	Reasoning
11	What are the objectives of preparing cash flow statement?	3	Knowledge
12	Explain the treatment of Provision for Tax of previous year?	3	Problem solving

13	Explain accounting treatment of Proposed Dividend while preparing cash flow statement.	4	Critical thinking
14	Give any four advantages of Cash Flow Statement.	6	Knowledge
15	Give any four limitations of cash flow statement .	6	Knowledge and Critical Thinking
16	Calculate cash flow from Operating activity from the following information:	8	Knowledge and problem solving

For question 16:

Calculate cash flow from Operating activity from the following information:

Particulars	31.03.2015	31.03.2014
Surplus	80,000	1,00,000
Trade receivables	2,50,000	2,40,000
Goodwill	15,000	20,000
Outstanding expenses	8,000	---
General reserve	80,000	50,000
Provision for depreciation		
Prepaid expenses	1,00,000	82,000
Trade payable	----	6,000
	84,000	60,000

Additional information:

i. Plant costing Rs.60,000 having book value of Rs.36,000 was sold for Rs.40,000 during the year.
ii. Income tax paid during the year was Rs.30,000.
ii. Divided paid during the year was Rs.18,000.

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Subject: Business Studies   **Assignment No. : 4**

Allotment Date: 15 July 2020

S.NO.	QUESTIONS	MARKS	NATURE
1	Define 'Planning Premise'.	1	Remembering
2	What is meant by single use plan?	1	Knowledge
3	State two main aspect in the concept of planning.	1	Knowledge
4	'ABC Ltd.' Decides to advertise their product on T. V. and radio. What type of plan should it prepared?	1	Understanding
5	Name the type of plan which provides the basis for interpreting the strategy.	1	Understanding
6	Give two examples of external planning.	1	Understanding
7	Which type of plan has least flexibility?	1	Understanding
8	The blue print of business is called…………………	1	Understanding
9	(State True/False) Planning provides base for controlling.	1	Knowledge
10	(State True/False) Budget is a standing plan.	1	Understanding
11	How is 'Planning a pervasive function of management'?	3	Understanding and analyzing

12	Explain any three points of importance of planning function of management.	3	Understanding
14	Explain any four limitations of planning process.	4	Understanding
15	What are the main features to be considered by the management while planning?	5	Analyzing and Remembering
16	What are the steps taken by management in the planning process.	5	Understanding
17	Explain the following plans: 1. Objective 2. Procedure 3. Strategy	6	Understanding

Subject: History   **Assignment No. : 4**

Allotment Date: 15 July 2020

S. NO.	QUESTIONS	MARKS	NATURE
1	Part- A *Answer the following objective type questions:* (a) --------- was a noted Indian Sanskritist. Under his leadership, the task of preparing a critical edition of the Mahabharata was started. (b) In the 7th century ---------- visited India who has commented on the treatment meted out to the untouchables. i. Fa Xian ii. Marco Polo iii. Hiuen Tsang iv. Xuan Zang (c) What do you mean by Vamsha? (d) Maunsmriti was added between----- i. $_c$ 200-400 CE. ii. $_c$ 100-150 CE. iii $_c$ 200-400 BCE. iv $_c$ 100-150 BCE. (e) According to Jainism the cycle of birth and rebirth is shaped by the ----------- . i. Ahimsa ii. Celibacy iii. Karma iv. Penance (f) ------------ were the Buddhist sects who also defined as fatalists. (g) A hut with a pointed roof or in grove where travelling mendicants halted is called----------- . (h) A picture produced by cutting into a copper sheet with acid and then printing it is called------------ . (i) What is known as the Sunset Law? (j) ---------- was an officer of Zamindar who collected rent and visited village.	(10x1=10)	Information
2	Part- B *Answer the following questions in short:* Discuss whether kings in early states were invariably Kshatriyas.	3	Evaluation
3	Were the ideas of the Upanishadic thinkers different from those of the fatalists and materialists?	3	HOT

4	How did the zamindars manage to retain control over their zamindaris?	**3**	HOT
5	In what way was the livelihood of the Paharias different from that of the Santhals?	**3**	Understanding
6	Part- C *Long questions answers:* Discuss the evidence that suggests that Brahmanical prescriptions about kinship and marriage were not universally followed. Or Describe the main features of the land revenue settlements introduced by the British and discuss their impact on the structure of the rural economy.	**8**	Understanding

7	Part-D (Sources Based Questions)
	Read the following extract carefully and answer the questions that follow:
	
	"In the year 33 of the maharaja Huvishka (a Kushana ruler), in the first month of the hot season on the eighth day, a Bodhisatta was set up at Madhuvanaka by the bhikkhuni Dhanavati, the sister's daughter of the bhikkuni Buddhamita, who knows the Tipitaka, the female pupil of the Bhikku Bala who knows the Tipitaka together with her father and mother".
	
	Questions:
	    a) How did Dhanavati date her inscriptions? Why do you think she installed an image of the Boddhisatta?
	    b) Who were the relatives she mentioned?
	    c) What Buddhist text did she know? From whom did she learn this text?
		(2+2+2=6)	Application and
			
			understanding

8	PART-E
	(Map Question)
	On a map of India, mark and name the following:
	    i. The place where Buddha was born.
	    ii. The place where he attained enlightenment.
	    iii. The place where he gave his first sermon.
	    iv. The place where he died.
	    v. The place where the stupa is situated and still surviving
		(4x1=4)	Identification

Subject: Political Science   **Assignment No. : 4**

Allotment Date: 15 July 2020

S. NO.	QUESTIONS	MARKS	NATURE

1	Objective Type Questions:
	
	(a)---------- is the term which is used to describe hydrological and cultural domination of a hegemon.
	(b) To extract benefits by operating within hegemonic system in place of opposing it is called --------- Strategy.
	
	(c) Which among the following statements about hegemony is incorrect?
	   i. The world implies the leadership or predominance of one State.
	   ii. It was used to denote the predominance of Athens in the ancient Greece.
	   iii. The country having hegemonic position will possess unchallenged military power.
	   iv. Hegemonic position is fixed. Once a hegemon, always a hegemon.
	(d) ARF was established in the year---------- .
	(e) ----------- Plan influenced the establishment of the Organisation for European Economic Cooperation in 1948.
	(f) Who among the following adopted a 'open door' policy?
	   i. China
	   ii. EU
	   iii. Japan
	   iv. USA
	(g) What is 'Guantanamo Bay'?
	(h) An Afro-Asian Conference was held in Bandung in ------------- .
	   i. 1955
	   ii. 1954
	   iii. 1956
	   iv. 1962
	
	(i) What do you mean by Decolonisation?
	
	(j)Arrange the following events in the correct chronological sequence from the earlier to the latest:
	   i. First nuclear test conducted by India.
	   ii. Twenty-year Treaty of Peace and Relationship between India and Soviet Union.
	   iii. The Tashkent Agreement.
	   iv. The Panchsheel declaration.
		(10x1=10)	Information

2	Why did India oppose the international treaty on Nuclear non-proliferation?	**2**	Understanding
3	"Hegemony as soft power implies the capacity to manufacture consent". Discuss.	**4**	HOT
4	How did China end its political and economic isolation? Examine the steps towards setting up market economy in China.	**4**	HOT
5	Why did Nehru regard conduct of foreign relations as an essential indicator of independence? State any two reasons with examples to support your reading.	**4**	Understanding
6	Read the extract carefully and answer the questions that follow: "The conflict of 1962, in which India suffered military reverses, had long-term implications for India- china relations. Diplomatic relations between the two countries were downgraded until 1976. Thereafter, relations between the two countries began to improve slowly. After the change in china's political leadership from the mid to late 1970s. China's policy became more pragmatic and less ideological. So it was prepared to put off the settlement of contentious issues while improving relations with India. A series of talks to resolve the border issue were also initiated in 1981". **Questions** 1. Why did India suffer military reverses as a result of conflict of 1962?When did the relations between India and china begin to improve? 2. What was the change in the policy of china in the seventies? 3. Which efforts were made to resolve the border issues between India and china?	**(2+2+1=5)**	Analytical
7	Study the cartoon given below (Ch.4 Part-I, page no. 57) and answer the following questions: Questions: a) What does the cartoon represent? Name the policy that is being represented in the cartoon. b) What does the 'Competion' refer to in the cartoon? c) "We'll have to get used to it". What does it denote?	**(2+2+1=5)**	Analytical
8	How did China end its political and economic isolation? Examine the steps towards setting up market economy in China. Or How does political leadership of a nation affect its foreign policy? Explain this with the help of examples from India's foreign policy.	**6**	HOT

Subject: Economics   **Assignment No. : 4**

Allotment Date: 15 July 2020

S. NO.	QUESTIONS	MARKS	NATURE
1	Principal characteristics of resources are: (a) they are scare in relation to our needs (b) they have alternative uses (c) unlimited wants (d) none of these	1	Information
2	In which of the following situations, does scarcity arise? (a) Supply of resources >Demand for resources (b) Supply of resources < Demand for resources (c) Supply of resources= Demand for resources (d) None of these	1	Understanding
3	What is meant by an economy?	1	HOT
4	Why does the problem of choice arise?	1	Interdisciplinary
5	Study of economy as a whole is called_____ economics.	1	Analytical Skill
6	In centrally planned economy, economic decisions are driven by the motive of profit maximisation. State True/False	1	Critical Thinking and Problem Solving
7	Diagrammatic presentation of consumer's indifference set is called: (a) indifference curve (b) utility curve (c) budget line (d) transformation curve	1	Evaluation
8	Two indifference curves can cut each other. State True/False	1	Evaluation Skill
9	The rate at which the consumer can substitute one commodity for the other, without changing the level of satisfaction, is known as _____.	1	Analytical Skill
10	Attainable combinations of X and Y are drawn on the assumption that Px and Py are: (a) constant (b) variable (c) change in the same ratio (d) equal to each other	1	Interdisciplinary

11	If IC is not convex at the point of equilibrium, the consumer cannot reach the point of stable equilibrium. Comment.	3	Communication Skills
12	'Make in India' campaign would shift the PPC to the right. How? Use diagram.	3	Critical Thinking and Problem solving
13	In a situation when Px and Py are constant, and MRSxy>Px/Py, the consumer will get greater satisfaction than when MRSxy=Px/Py. Is it True?	4	Interdisciplinary
14	MRS (Marginal Rate of Substitution) of X for Y is higher than the ratio of prices. Explain the reaction of the consumer in this situation.	4	Understanding/Analyse
15	What is the likely impact of 'Sarv Shiksha Abhiyan' and 'Skill India Campaign' on PPC of the Indian economy. Use diagram.	4	HOT
16	Show diagrammatically consumer's equilibrium using indifference curve analysis. Also analyse the conditions of consumer's equilibrium.	6	Critical Thinking and Problem solving
17	How are central problems solved in different economies?	6	Evaluation

Subject: Physical Education   **Assignment No. : 4**

Allotment Date: 15 July 2020

S. NO.	QUESTIONS	MARKS	NATURE
1	Part-A **Multiple Choice Questions: (1 marks)** (A) Opening of hand sidewise when our hand is moving away from body is example of_____. (a) Abduction (c) Adduction (c) Flexion (d) Extension (B) In the long jump take off which law works – (a) 1st law of newton (b) 2nd law of newton (c) 3rd law of newton (d) Law of conservation of mass. (C) Newton's2ndlawisalsoknownas (a) Law of Action Reaction (b) Law of Inertia (c) Law of Acceleration (d) Law of velocity (d) Bending of Elbow when our hand is going toward our chest is (a) Flexion (b)Extension (b) Abduction (d)Adduction (E) Which is not the Importance of Biomechanics (a) Improvement of Technique	1x8=8	Assimilation

	(b) To understand the structure of Movement &effect of forces on the Movement		
	(c) To understand Physiology of human body		
	(d) Improvement of sports Equipment		
	(F) The force which oppose the relative motion between the surfaces of two object is known as (a) Frictional force (b) Gravitational force (c) Applied force (d) Tension force		
	(G) The force produced when the surfaces of two objects comes to contract of each other & tends to move but there is no relative motion between them is known as (a) Static friction (b) Sliding friction (c) Rolling friction (d) Fluid friction		
	(H) Biomechanics Deals in -		
	(a) Muscles involved in Movement		
	(b) Effect of force on Different Movements done by human body		
	(c) To understand the physiology of the body		
	(d) To understand Time &Distance concept of Various Movements		
	Short Answer type Question (3 Marks) *Answer of the following questions in 60-90 words :*		
2	How we can Identify the Abduction, Adduction, Flexion & extension movements is various joints of our body? Explain with examples.	3	Application
3	To accelerate any object what condition shouldbefollowaccordingto2nd lawofmotion.Explainwithsuitableexamples.	3	Application
5	Howfrictionishelpfulinsportsgive3suitableexamples.	3	Understanding & Application
4	Elaborate the Big-5 theory of personality	3	Understanding
Part-C Long Answer type question (5 Marks). *Answer of the following questions in100-120 words :*			
5	What is Biomechanics? How it helps in the field of sports &games.	5	Understanding & Application
6	What is Friction? Discuss various types of Friction.	5	Knowledge
7	Discuss the importance of Biomechanics in the field of sports.	5	High order Thinking

8	Differentiate between advantage & disadvantage of friction in the field of sports.	5	Understanding & Critical thinking

ARMY PUBLIC SCHOOL GWALIOR
CLASS -XII
ACADEMIC SESSION 2020-21
WORKSHEET

Subject: Painting   **Assignment No. : 4**

Allotment Date: 15 July 2020

S.No.	QUESTIONS	MARKS	NATURE
	SECTION: First		
Q.1	Answer the following questions in one sentence: (a) The Rajasthani Art was developed under which kings- (i) Nizam (ii) Rajput Kings (iii) Mughal Emperor (iv) None of these (b) What is the time period Pahari School of Painting. (i) 16th to 19th century A.D. (ii) 1750 to 10 A.D. (iii) 17th to 18th century A.D. (iv) 1785 to 90 A.D. (c) Raja Sawant Singh was also known by which name. (i) Purushottam Das (ii) Kishan Singh	**1x6=6**	Information

	(iii) Bishan Das		
	(iv) Nagri Das		
	(d) A postal stamp was issued by the Indian Government based onwhich famous Rajasthani Painting.		
	(i) Maru Ragini		
	(ii) Rasik – Priya		
	(iii) Bani – Thani		
	(iv) Ragini Pat – Hansika		
	(e) To which school the Raja Anirudha Singh Hara Painting is located –		
	(i) Pahari school of miniature painting		
	(ii) Mughal school of miniature painting		
	(iii)Rajasthani school of miniature painting		
	(iv)Deccan school of miniature painting		
	(f) In which medium the Rajasthani miniature painting are made –		
	(i) Oil colours		
	(ii) Pastel colours		
	(iii) Water colours		
	(iv) Acrylic colours		
	SECTION: Second		
Q.2	Answer to be written for each in about 30 words: Evaluate the compositional arrangement of any three of the following in short:	**2x3=6**	Evaluation

	Out of following four miniature painting, strictly on the basis ofthe fundamentals of visual art. (i) Chaugun Players – Jodhpur (ii) Krishna on swing – Bikaner (iii) Krishna with Gopi's – Pahari School (iv) Maru Ragini – Mewar			
SECTION: Third				
Q.3	Answer to be written for each is about 100 words. Identify relevant painting of the Rajasthani school included in yourcourse of study. (a) Describe the painting of Rajasthani school which is alsopopularly known as "The Indian Monalisa" (b) Nand, Yashoda and Krishna with Kinsmen going to Vrindavana.	**3x2=6**	Hot
SECTION: Fourth				
Q.4	Write short notes on any two of the following- Sub school – Jaipur school of painting Basohli Painting	**6x1=6**	Understading
SECTION: Fifth				
Q.5	Answer to be written in about 350 words. (a) Write an essay on the origin and development characteristic of the Rajasthani school. Or Write the main feature of Pahari miniatures.	**6x1=6**	Application

Subject: Physical Education (Sports)   **Assignment No. : 3**

Allotment Date: 15 July 2020

S.N	QUESTIONS	Point
1.	In what country did badminton originated? a) China b) England c) Malaysia d) Greece	1X10=10
2.	Which one of these are not parts of a racket? a) Net b) Throat c) Grip d) Cheeks	
3.	These are the different names of badminton except. a) Poona b) Wiff waff c) Ping pong d) Gossima	
4.	How many feathers do the shuttle cock have? a) 25 b) 16 c) 18 d) 20	
5.	In What year did badminton has been an Olympic Sports? a) 1992 b) 1993 c) 1995 d) 1994	

6.	When is the sport badminton played in England a) 1988 b) 1887 c) 1886 d) 1885	
7.	The International Badminton Federation (IBF) established in what year? a) 1934 b) 1931 c) 1932 d) 1933	
8.	Who was the first Indian badminton player to hold number one rank in world ranking? a) Manu Attri b) Chetan Anand c) Prakash Padukone d) None of these	
9.	Which of these is a fault when serving? a) Hitting the shuttle below the waist. b) The racket point downwards at the moment of hitting the shuttle. c) Hitting the cork of the shuttle first. d) Hitting the feathers of the shuttle first.	
10.	Which of the tennis Grand Slam tournaments does not share the same name as an international badminton tournament? a) Australian open b) French open c) US open d) Wimbledon	