CLASS : X

Instructions:
Assignment to be done only in the notebook.
A clear photograph of each page subject wise to be taken and saved in one's repective Google Drive.
The saved assignments to be then uploaded on one's respective Google Classroom.
Note: Uploading assignments from the Google Drive to Google Classroom is faster than uploading it directly from the phone memory or laptop.
The Google Classroom link shall be shared by the class teacher on the dates mentioned for submission of each assignment.
Assignments will not be accepted after the due date.

SUBJECT	ASSIGNMENT 1 (10 MARKS)
English Language	1. You are the secretary of the 'Ethics Club, of your school. Your School is organising an inter school Debate Competition for senior school. Write a Notice for your school notice board informing students about the event. (5) 2. Write an e-mail to the Principal of your neighbouring school inviting him /her for the event (mentioned in question 1.) and also requesting him / her to send a team of participants for the event (5)

English Literature	Extract 1
	 Thus I enter, and thus I go!
	 In triumph, people have dropped down dead.
	 " Paid by the world, what dost thou owe
	 " Me?" --- God might question; now instead?
	 "Tis God shall repay: I am safer so.
	
	     1. Who is the speaker of the given lines? How is the speaker paid by the world? (2)
	     2. What is the speaker's plea to God now? (2)
	
	 Extract 2
	 Portia
	 First go with me to church and call me wife,
	 And then away to Venice to your friend;
	 For never shall you lie by Portia's side
	 With an unquiet soul.
	
	     1. Give the meaning of (i) call me wife ………………………………. (1)
	                        (ii) with an unquiet soul …………………… (1)
	     2. What would Portia and Nerissa supposed to be doing in Belmont after their husbands leave for Venice? (2)
	     3. What did Portia and Nerissa really do ? (2)

Hindi Language	प्रश्न 1. पत्र - अपने मित्र को पत्र लिखकर ग्रीष्मावकाश अपने साथ बिताने का निमंत्रण दीजिए। (7) प्रश्न . 2 निर्देशानुसार वाक्य परिवर्तित कीजिए। क. जिसे लक्ष्य पर पहुँचना है, उसे कोई नहीं रोक सकता। (1) (लक्ष्य पर ----- से वाक्य आरंभ करें) ख. संसार मे कुछ असाध्य नहीं है। (1) (स्वीकारात्मक वाक्य में बदलें)

	ग. आपको किसी प्रकार का कष्ट नहीं होगा। (1) ("तकलीफ" शब्द का प्रयोग करें)

Hindi Literature	प्रसंग 1. "बेनीमाधव सिंह अपनी आधी से अधिक संपत्ति वकीलों को भेंट
	    कर चुके थे।"
	  क. बेनी माधव सिंह कहाँ के जमींदार थे? उनकी वर्तमान आय क्या थी? उनकी दूसरी
	संतान का विवाद किसके साथ और क्यों हुआ ? (2)
	
	  ख. बेनीमाधव सिंह की कितनी संतानें थीं? उनका नाम लिखें। (2)
	  ग. आनंदी का परिचय दें। (1)
	प्रसंग 2. जाके प्रिय न राम वैदेही।
	    तजिए ताहि कोटि सम जदपि
	    परम सनेही॥।
	 क. उपर्युक्त पद के कवि का नाम लिखते हुए बताएँ कि उनके आराध्य कौन थे? (2)
	 ख. कवि ने किसका त्याग करने को कहा है, और क्यों? उपर्युक्त पंक्ति के आधार पर
	   बताएँ। (2)
	 ग. अर्थ लिखें:- सरिस, कंत (1)

Maths	Q 1) Solve: $\frac{2}{x^2} - \frac{5}{x} + 2 = 0$. (2)
	
	Q 2) If (-4) is a root of the equation $x^2 + px - 4 = 0$ and the
	    equation $x^2 + px + k = 0$ has equal roots, find the value of k. (2)
	
	Q 3) Solve the equation $x^2 - 10x + 6 = 0$ and give the answer
	    correct to two decimal places. (2)
	
	Q 4) The sum of ages of a father and his son is 45 years. Five years
	    ago, the product of their ages was 124. Find their present ages. (2)
	
	Q 5) Divide 16 into two parts such that twice the square of the larger
	    part exceeds the square of the smaller part by 164. (2)

Physics	Q1. Is it possible to have an accelerated motion with a constant speed? Name such type of motion. Q2. Why is it easier to open a door by applying force at the free end of it? Q3. The work done by a fielder, when he takes a catch in a cricket match is negative explain. Q4. A machine raises a load of 750N through a height of 16m in 5 seconds. Calculate power of machine. Q5. If speed of car is halved, how does its Kinetic energy change.
Chemistry	Q1.Why HCI molecule is polar while chlorine molecule is non-polar? (1) Q2. Given below are the atomic radii (A) and ionisation energies (eV) of three elements X, Y and Z. each having n electrons in the outermost shell of their atoms : (1)

Element	X	Y
Atomic Radius (A)	1.20	1.31
Ionisation energy (eV)	5.4	5.1

	Answer the following questions : (i)　　Will the valencies of these elements be same or different? (ii)　　Which element will have the highest atomic number? Q. Arrange the following as per instructions given in the brackets: 　(i)　　Cs, Na, Li, K, Rb　(increasing order of metallic character)　　(4) 　(ii)　　Mg, Cl, S, Na, Si　(decreasing order of atomic size) 　(iii)　Na, K, Cl, S, Si　(increasing order of ionisation energy) 　(iv)　Cl, F, Br, I　(increasing order of electron affinity) 　(v)　　He, Ar, Ne　(increasing order of the number of electrons shells) 　(vi)　Na, Li, K　(increasing ionisation energy) 　(vii)　F, Cl, Br　(increasing electronegativity) 　(viii)　Na, K, Li　(increasing atomic size) Q4. Draw an electron dot diagram to show the structure of : 　1. Hydronium ion. 2.Ammonium ion 　State the type of bonding present in them.　　(2) Q5.Explain the following giving reasons :　　(2) 　1.　Noble gases have very high value of ionisation potential. 　2.　Carbon tetrachloride does not dissolve in water.
Biology	1.Draw a well labelled diagram of root hair and state its characteristics.　(2) 2.Turgor helps in opening and closing of stomata.Explain in detail.　(2) 3.Draw V.S of leaf and explain stomatal regulation of transpiration.　(2) 4.Give any four differences between Transpiration and guttation.　(2) 5.How do you justify the statement Forests contribute in bringing rain.　(2)
History /Civics	1. How is Lok Sabha more powerful than Rajya Sabha .Give 5 reasons to justify your answer.　(5) 2. Explain any 3 military causes and 2 political causes of the 'Great Revolt of 1857'.　(5)
Geography	Q1. What are the characteristics of alluvial soil?　(2) Q2. How are black soil formed?　(2) Q3. Why are laterite soils not suitable for cultivation?　(2) Q4. Name the region where Tropical Deciduous Forest and Tidal Forest are found?　(2) Q5. Name any two trees of the Himalayan forest and mention their utility.　(2)
Computer Application	Q1. Write the difference implicit and explicit type conversion.　(4) Q2. Explain different styles of expressing a comment in Java programming.　(3) Q3. Write the difference different an object and a class.　(3)

DIRECTOR ACADEMICS