SUNRISEVILLE SCHOOL, NOIDA

SUMMERS HOLIDAY HOMEWORK (2018 – 2019)

Class X

ENGLISH

READING SECTION

1. Read the passage and answer the questions that follow:

Dharam Dev Pishorimal Anand (26 September 1923 - 3December 2011), better known as **Dev Anand,** was an Indian film actor, writer, director and producer known for his work in Hindi cinema. Part of the Anand family, he co-founded Navketan Films in 1949 with his elder brother Chetan Anand. The Government of India honoured him with the Padma Bhushan in 2001 and the Dadasaheb Phalke Award in 2002 for his contribution to Indian cinema. His career spanned more than 65 years with acting in 114 Hindi films of which 104 have him play the main solo lead hero and he did 2 English films. Dev Anand's autobiography "Romancing with life" appears to be a very honest portrayal of the man called Dev Anand. This article is composed on the basis of revelations recorded in his life story. Being a very shy boy Dev's father put him up in a girl's school in Gurdaspur. It is obvious that Dev had a very captivating face.

As a child Dev was fond of playing with marbles on the street outside his house. He was an excellent marksman from any distance. He was always sure of hitting every marble that he aimed for. Due to his marksmanship, he had won several marbles and stored those in a big jar, which was his proud possession. His father hated him for playing all day with marbles. Dev was afraid of his father. One day his father admonished him for playing with the marbles all the time. He said that this was not the way to attain stature in life. But he loved his mother very much.

While Dev was still in Gurdaspur, his mother developed Tuberculosis, a fatal disease during those days. The rare medicines necessary for her treatment were unavailable in Gurdaspur. Dev and friend Bhagoo used to go to Amritsar, more than thirty miles away from Gurdaspur, by bus to bring medicines for the treatment of his mother. Dev was fond of a special "Lassi" made from full fat milk, which used to have "Pedas" crushed into it.

One sultry summer day Dev was sweating outside the Golden Temple in Amritsar. A Sikh gentleman was selling "Almond Sherbat". Dev put his hand forward to grab the tumbler of "Sherbat". The Sikh "Sherbatwala" saw the unique blessings of sun on Dev's forehead. He quickly said that some day he would be a big shot in life. Dev narrated this to his mother, who hugged him and told his father to give him the finest education and other facilities so that her son gets what he aspires for. His mother soon became too weak to walk even and was moved to a sanitarium, where she died.

Dev was enrolled in Government College Lahore for his graduation, which he did with honours in English. But soon he discovered that his father had fallen on bad days. Dev wanted to go to England for higher education, so that he could get an elite government job on return to India, but his father admitted that he could not afford this. His father gave him the option to do his master's degree from Lahore Government College and then serve as a clerk in a bank, which Dev declined.

Ql. Give a suitable heading for the above passage.

Q2. The name of Dev Anand's biography is _____ .

Q3. In his childhood he loved playing _____ and he stored them in a_____ because they were his proud possession.

Q4. He travelled to Amritsar with his friend Bhagoo, which was thirty miles away from his home tin order to _____ .

Q5. The special lassi which Dev was particularly fond of was made of .,

Q6. Dev could not go to England to pursue his higher education because _____ .

Q7. The Sikh sherbatwala, outside the Golden temple, told Dev that he would _____ .

Q8. From the passage, find the synonyms of the following word: a] story of your life (para 2)

2. Read the passage and answer the questions that follow

WELCOME BACK YUVI ....!

Indian all-rounder and World Cup hero Yuvraj Singh will won national colours for the first time since battling cancer when a two-match Twenty20 series against New Zealand starts on Saturday. The 30-year-old left-hander underwent chemotherapy in the United States in March and April to treat a rare germ-cell tumour between his lungs which was diagnosed late last year.

Yuvraj, who was 'Man of the Tournament' in India's World Cup triumph last year, did not played competitive cricket since two home Tests against the West Indies last November. But the selectors recalled him as soon as he was declared fit by doctors at the National Cricket Academy in Bangalore where he had begun light training in July.

In less than 36 hours from now, Yuvraj Singh will complete an incredible journey- that of having recovered from cancer and walking back on the field as an Indian cricketer. How many runs he scores is a different matter, it is his return to the field that makes him a winner.

Saturday, Yuvraj will play his first international match after being diagnosed with cancer. And this journey was not an easy one. This was one test that took a lot out of him. "There was a lot of tension. There were negative thoughts in my mind. I used to cry a lot," Yuvraj reminisces. On But all this while his teammates on the cricket pitch played the perfect mates off the field as well. "One day Anil Kumble came to meet me in Boston. He closed my laptop and said 'stop watching cricket and focus on your health'," Yuvraj said.

The left-hander did what he knows best - fought back! And soon the hero was back in India. It was a slow recovery- from stepping into the gym to stepping into the nets.

On Saturday, the journey will reach its most important phase. Yuvraj will be back in the India shirt, playing a T20 International against New Zealand. And he can't wait for the match to begin. He landed in Vizag yesterday and tweeted: "Just landed in lovely Vizag!! Beautiful scenic view before landing! Hope it doesn't rain tom and day after!! Cause I just can't wait anymore." And he had wishes pouring from all corners. Bollywood superstar Shah Rukh Khan wished his friend good luck. He said, "I will repeat what Yuvraj said. It doesn't matter if he scores one run or 20 runs or 200 runs. I wish he again hits six sixes. Whatever, he said, he has won and he actually has won. I would watch the match just because Yuvraj will be playing it." Olympic silver- medalist MC Mary Kom also wished the southpaw, who won India U-19 World Cup in 2000, T20 World Cup in 2007 and ICC World Cup in 2011.

"I wish all the best in the future to Yuvraj," Mary said. With the nation behind him, I expect the all-rounder to perform as good in his second innings as the first if not better.

Ql. Yuvraj shed tears because a. _____ b. _____

Q2. Who came to meet him in Boston and what did he advise Yuvraj?

Q3. Yuvraj will be playing a T20 International against _____ in _____.

Q4. What did Yuvraj hope for as soon as he landed in Vizag?

Q5. Find the antonym of the word 'loser' from the passage.

Q6. Complete creative children usually possess strong creative needs; their interests are unexplainable and are naturally deeply hidden in them. These children are inquisitive 'show interest in explaining things of fancy and test novel ideas the following data: Yuvraj won cancer Mary Kom was [para8]

Q -2. Your brother, who is in a hostel, is very fond of eating street Amritsar food. As a result, he keeps getting sick. Write a letter in 100 words telling him about the harmful effects of junk food and advising him to eat healthy food . You are Arjun/ ArpRita of C- 8, Lawrence Road, Delhi.

Q -3. You are Lalit/ Lalita Khurana , a resident of D- 61 Vikas Nagar New Delhi. You are very much disturbed about the bad lighting in your town .write a letter to the editor asking the authorities to take steps to maintain the electricity condition.

Q-4. You are Madhav , the organizing secretary of the debating society of the Oxford School , Meerut. Your school is organizing an inter house Debate competition. Write a notice informing the students to take part in competition.

Q 5-Fill in the blanks choosing the most appropriate words from the given options.

When Alexander and his men (a) ……..the plain of Gaugamela, they found that the ground (b) ……. levelled. The Persian chariots stood in formation, ready to attack across that flat surface. Darius (c) …….. his scythed chariots to propel themselves forcefully into the Greek forces, with (d) …….. ripping at the flesh of both horses and men. The chariots began their rapid (e) ……. the army of Alexander the Great. The Greek general, (f) ……. a quick assessment of the situation, ordered the ranks of the Greek fighters to split apart.

(a).(i) were reaching (ii) reach (iii) reached (iv) have reached

(b) (i) had been (ii) is being made (iii) is made (iv) was made

(c) (i) has expected (ii) did expect (iii) had expected (iv) expected

(d) (i) there carved blades (ii) they're curved blades (iii) their curved blades (iv) they curving blades

(e) (i) drove to (ii) drive towards (iii) drives to (iv) driven along

(f) (i) having made (ii) have made (iii) had to make (iv) is having to make

Q 6- write the biography of wordsworth.

Q 7- write the summary of the novel **THE STORY OF MY LIFE.**

HINDI

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2- vuPNn y[ku dj&

d- 10&10 fØdV dk jkekUp

[k- ykdr= vkj puko

x- djr&djr vH;kl tMefr gkr ltku

3- dkbZ nk f"kdk;fr i= fyf[k,

4- lkbfdy jl ifr;kfxrk e lEcfU/kr ,d lpuk cukb,A

5- nk fe= d chp okf'kdkRlo ij lokn y[ku djkA

6- ijh{kk dh r;kjh l lEcfU/kr firk vkj i= d chp lokn y[ku djkA

MATHEMATICS

Q1. If P(2,p)is the mid-point of the line segment joining the points A(6,-5) and B (-2,11), find the values of p.

Q2. If A(1,2), B(4,3) and C(6,6) are the three vertices of a parallelogram ABCD, find the coordinates of the fourth vertex D.

Q3. Point P divides the line segment joining the points A (2,1) and B(5,-8) such that $\frac{AP}{AB} = \frac{1}{3}$. If P lies on the line $2x - y - k = 0$, find the value of k.

Q4 R (x,y) is a point on the line segment joining the points P(a,b) and Q(b,a), then prove that x + y = a + b.

Q5. Prove that the points P(a, b+c), Q(b,c+a) and R(c,a+b) are collinear.

Q6. If the points $A(-\frac{2}{5}, 6)$ and B (2,8), find the value of m.

Q7. What is the distance between the points A(c,0) and B(0,-c)?

Q8. Point P divides the line segment joining the points A(-1,3) and B (9,8) such that $\frac{AP}{PB} = \frac{k}{1}$. If P lies on the line x-y+2=0, find the value of k.

Q9. If the points (p,q); (m,n); and (p-m,q-n) are collinear, show that pn=qm.

Q10. Find the values of k, if the points A (8,1`) , B(3,-4) and C(2,k) are collinear.

Q11. A die is thrown once. What is the probability of getting a number greater than 4?

Q12. Two coins are tossed simultaneously. Find the probability of getting exactly one head.

Q13. From a well-shuffled pack of cards, a card is drawn at random. Find the probability of getting a black queen.

Q14.Find the value of m for which the roots of the roots of the equation mx(6x +10) + 25 = 0, are equal,

Q15. Solve the quadratic equation $9x^2$-15x +6 =0 by method of completing the square.

Q16. A bag contains cards which are numbered from 2 to 90. A card is drawn at random from the bag. Find the probability that it bears

(i) a two digit number (ii) a number which is a perfect square.

Q17. Two coins are tossed simultaneously. Find the probability of getting exactly doublet.

Q18. From a well-shuffled pack of cards, a card is drawn at random. Find the probability of getting a black face card.

Q19. A die is thrown once. Find the probability of getting

(i) a prime number (ii) a number divisible by 2.

Q20. A die is thrown once. Find the probability of getting

(i) an even prime number (ii) a multiple of 3.

Q21. If the probability of winning a game is $\frac{5}{11}$, what is the probability of losing it?

Q22. What is the probability of having 53 Mondays in a leap year?

Q23. A die is thrown once. Find the probability of getting a number less than 3.

Q24. A pair of dice is thrown once. Find the probability of getting same number on each die

Q25. One root of the equation $2x^2$- 8x – m = 0 is $\frac{5}{2}$. Find the other root and the value of m.

Q26. For what value of K the equation $4x^2$- 2(k +1)x + (K + 1)= 0 has real and roots.

Q.27. Solve for x: $\frac{1}{(x-1)(x-2)} + \frac{1}{(x-2)(x-3)} = \frac{2}{3}$, x ≠ 1,2,3.

Q28. Solve for x: $\frac{2x}{x-3} + \frac{1}{2x+3} + \frac{3x+9}{(x-3)(2x+3)} = 0$, x ≠3, $-\frac{3}{2}$

Q29. Solve the equation $2\left(\frac{2x-1}{x+3}\right) - 3\left(\frac{x+3}{2x-1}\right) = 5$; x ≠ -3,$\frac{1}{2}$

Q30. Solve for x: x^2+ 5x – (a^2+a-6)= 0

Q31. If the zeroes of the polynomial $x^2 + px + q$ are double in value to the zeroes of $2x^2$ – 5x -3 , Find the value of p and q.

Q32. Form a quadratic polynomial p(x) with 3 and $-\frac{2}{5}$ as sum and product of its zeroes,respectively.

Q33.If α & β are zeroes of the polynomial f (x) = x^2- x – k , such that $\alpha - \beta = 9$, Find K.

Q34. If p, q are zeroes of the polynomial f(x) = $2x^2$ -7x + 3, Find the value of p^2+q^2.

Q35. Express the number $0.3\overline{178}$ in the form of rational number $\frac{a}{b}$.

Q36. Find the largest number which divides 70 and 125 leaving remainder 5 and 8 respectively.

Q37. Show that n^2 -1 is divisible by 8, if n is an odd positive integer.

Q38. Show that there is no positive integer n, for which $\sqrt{n-1}$ + $\sqrt{n+1}$ is rational.

Q39. Find HCF of 81 and 237 and express it as a linear combination of 81 and 237 I.e., HCF (81, 237) = 81x + 237 y for some x and y.

Q40. Solve the following pair of equations graphically 2x + 3y = 12 and x – y -1 = 0,

Shade the region between the two lines represented by the above equations and the X- axis.

Q41. 4 men and 6 boys can finish a piece of work in 5 days , while 3men and 4 boys can finish it in 7 days. Find the time taken by 1man alone or that by 1 boy alone.

Q43. A boat covers 32 km upstream and 36 downstream in 7 hours .Also , it covers 40 km upstream and 48 km downstream in 9 hours . Find the speed of the boat in still water and that of the stream.

Q44. Raghay scored 70 marks in a test , getting 4 marks for each right answer and losing 1mark for each wrong answer . Had 5 marks been awarded for each correct answer and 2 marks been deducted For each wrong answer , then Raghav would have scored 80 marks . How many questions were there in the test?

Which values would have Raghav violated if he restored to unfair means ?

Q45. Two water taps together can fill a tank in $11\frac{1}{9}$ hrs. The tap of smaller diameter takes 5 hrs more Than larger one to fill the tank separately . Find the time in which each tap can separately fill the Tank. Explain the importance of water.

SOCIAL SCIENCE

1- ON THE POLITICAL MAP OF INDIA LOCATE THE FOLLOWING PLACE AND LABLE

(i) Jalliawala bagh massacre (ii) A place where the congress session was held in-1919 , 1927 and 1929. (iii) A place associated with 'NO TAX COMPAIGN' . (iv) Gandhi ji violeted the salt law.

2- ON A POLITICAL MAP OF INDIA LOCATE AND LABLE THE GIVEN SOIL TYPE;

(i) Alluvial soil (ii)red and yellow soil (iii) laterate soil (iv) black soil (v) arid soil (vi) forest and mountainous soil

3- ON THE POLITICAL OUTLINE MAP OF INDIA GIVEN BELOW MARK AND LABLE ;
(i) Sariksa tiger reserve (ii) pariyar tiger reserve (iii) Sundarbans (iv) kaziranga (v) corbet

4- ON THE POLOTICAL OUTLINE MAP OF INDIA GIVEN BELOW MARK AND LABLE THE FOLLOWING DAMS;
(i) Hirakund (ii) Koyna (iii) Tungabhandra (iv) Bhakranagal

5- ON THE POLITICAL OUTLINE MAP OF INDIA GIVEN BELOW LABLE AND MARK ;
(i) A major wheat productive state (ii) A major produces of jute (iii) Tea cultivation (iv) Coffee plantation

6- ON THE POLITICAL MAP OF INDIA LOCATE MARK AND LABLE THE FOLLOWING ;
(i) Drug iron ore mine (ii) Raniganj coal mine (iii) Talcher thermal power plant (iv) Oil field -Digboi (v) Nuvlear power plant -Tarepur

7- ON THE GIVEN POLITICAL MAP OF INDIA LOCATE, MARK AND LABLE THE FOLLOWING ;
(i) Silk industry in Murshidabad (ii) Mohali software and technology park (iii) Bhilai -Iron and steel plant (iv) Raurkela- iron and steel plant.

SCIENCE

CHEMISTRY

Q1.What happens when magnesium ribbon burns in air?

Q2.On what Chemical law, balancing of Chemical equation is based?

Q3. When Carbon dioxide is passed through lime water, it turns milky, why?

Q4. A copper coin is kept in a solution of Silver Nitrate for some time, what will happen to the coin and the colour of the solution?

Q5. What do you understand by precipitation reaction? Explain with suitable example.

Q6.What is Corrosion? State the conditions necessary for rusting of iron. How rusting is harmful?

Q7.You are given the following materials.

(a) Marble Chips (b) Dil HCl (c) Zinc Granules . Identify the type of reaction when marble chips and Zinc granules are added separately to acid taken in two test tubes.

Q8. Give one example of a Combination reaction in which an element combines with a compound to give you a new compound.

Q9. Write balanced equations for the following word equations :-

(a) Potassium Chloride + Silver Nitrate ----------→ Potassium Nitrate + Silver Chloride
(b) Calcium Carbonate ----------→ Calcium oxide + Carbon dioxide gas
(c) Zinc Metal + Oxygen ----------→ Zinc oxide
(d) Chlorine gas + Sodium metal ----------→ Sodium Chloride

Q10. A Zinc rod is left for nearly 20 minutes in a Copper Sulphate Solution. What Change would you observe in Zinc rod?

PHYSICS

1. Draw ray diagrams of concave mirror , convex mirror (in chart paper).
2. Write all questions and answers of Chapter – Light .
3. Make a model based on physics.
4. Do all the numericals of Chapters – Electricity and Light .

BIOLOGY

Q1)Name the enzyme found in salivary gland .Also write its function.

Q2)Which is the largest gland in human body?

Q3)Name the site of complete digestion in Humans.

Q4)Which cell organelle acts as site of photosynthesis.

Q5)Differentiate between autotrophic and heterotrophic nutrition.

Q6)Explain the types of heterotrophic nutrition along with examples.

Q7)Explain all stages of nutrition in AMOEBA.

Q8)Using suitable diagram explain nutrition process in human beings.

Q9)Where do plants get each of raw materials required for photosynthesis.

Q10)Why does our mouth water when we eat something?

Q11)what do you understand by respiration?

Q12)where does anaerobic respiration occurs?

Q13)In human beings where does gaseous exchange takes place ?

Q14)Why does air passage not collapse when there is no air in it?

Q15)Give the path travelled by a molecule of oxygen when it enters the body.

Q16)How does respiration takes place in plants?

Q17)Differentiate between aerobic and anaerobic respiration.

Q18)Why do aquatic animals breathe faster than terrestrial animals?

Q19)Explain respiration process in Humans.

Q20)Make a 3 D model showing respiration in Humans.