

# Solution

## SECTION A

1. 1.1 (i) (c) 80%. (1)  
 (ii) (b) 2015 (1)  
 (iii) (d) large molecule polymers. (1)  
 (iv) (b) plastic bags and soda-can rings. (1)  
 (v) (c) California and Indonesia. (1)
- 1.2 (i) Discarded plastic bags, cups and bottles are the plastic articles that generally cause pollution in the sea. (1)  
 (ii) Plastics in oceans last for a longer duration and hence introduce dangerous chemicals into marine ecosystem that results in harming the marine lives. (1)  
 (iii) Plastic doesn't biodegrade or break down naturally. Instead, it just fragments, or breaks into tiny pieces over time. This way microplastic is formed which can potentially stick around for hundreds or even thousands of years. (1)  
 (iv) Plastic is compared to sponge because a sponge has absorbing qualities. Similarly, plastic tends to absorb harmful chemicals from its surroundings. (1)  
 (v) The biggest impact of plastic pollution on sea life is that it can make seals, turtles and even whales entangle in plastic netting. As a result, these animals can starve to death. Moreover, the plastic can cut into the animals' skin causing wounds that develop severe infections. (1)  
 (vi) Scientists are trying on working towards new materials that are safer for the environment. They are testing a new polymer that breaks down more easily in seawater. (1)
- 1.3 (i) When people litter, or when trash is not properly disposed off, things like plastic bags, bottles, straws, foam beverage cups get carried away to the sea by winds and waterways. This is how plastic waste enters the ocean. (2)

- (ii) It is really true to say that plastic is everywhere in the world today as it can be found in basic accessories of life such as shoes, clothing, household items, electronics, etc. (2)  
 (iii) The property of plastic which makes it a problem pollutant is that it doesn't biodegrade or break down naturally. Instead, it just fragments, or breaks into tiny pieces over time. These tiny pieces, known as microplastic, can potentially stick around for hundreds or perhaps even thousands of years. (2)  
 (iv) Scientist Jambeck said that 'Individuals actions make a big difference'. She suggested that disposing off plastic properly for recycling or trash collection is a key step. And, simple things like reusable water bottles, mugs and bags, and banning the use of straws really cuts down on waste. These are the things suggested for having healthier oceans. (2)
- 1.4 (i) dumped (1)  
 (ii) unfortunately (1)  
 (iii) resemble (1)

## 2.1 SLEEP AND ITS IMPORTANCE

### 1. NEED OF ENOUGH SLEEP

1.1 Good Night's Sleep Ess.

1.1.1 Preserves brain health

1.1.2 meet the nxt day with positive attitude

1.2 Six to eight hours sleep a night

1.3 Less than six to eight in older age

1.4 Sleep depr. causes stress

### 2. SLEEP DEPRIVATION

2.1 Perf. of memory is affected

2.2 causes stress

2.3 lay in bed 30-60 min. than normal time

2.4 relax with no thoughts in mind

3. INSOMNIA
  - 3.1 Cnslt. a doctor
  - 3.2 Affects ability to remember
  - 3.3 Depletes immune system, makes accident prone
  - 3.4 depression, neg. outlook towards life.
4. STRESS MANAGEMENT
  - 4.1 Essential for maximizing brain pow.
  - 4.2 Make it priority to relax
  - 4.3 minute or two of deep breathing
  - 4.4 Best ideas and memories come during relaxation time.
5. MEDITATION
  - 5.1 Meditation - A part of rel. and spiritual life.

- 5.2 Adopted in Western Countries
  - 5.2.1 develops peace of mind, lowers stress
- 5.3 Evid. reg. meditation restores sleeping problems
- 5.4 protects brain against aging

Abbreviations:

- |        |   |             |     |
|--------|---|-------------|-----|
| Ess.   | - | Essential   |     |
| nxt    | - | Next        |     |
| pos.   | - | Positive    |     |
| depr.  | - | Deprivation |     |
| Perf.  | - | Performance |     |
| cnslt. | - | Consult     |     |
| pow.   | - | Power       |     |
| rel.   | - | Religious   | (5) |
| Evid.  | - | Evidence    |     |
| reg.   | - | Regular     |     |

## 2.2 Summary

There is a need for enough sleep. A good night's sleep is important as it preserves brain health and helps to meet the next day with a positive attitude. Six to eight hours of sleep is required for an adult and, slightly less as one grows older. Sleep deprivation affects memory and causes stress. To get enough sleep, try to go to bed thirty to sixty minutes earlier than normal time, relax with no thoughts in mind. If suffering from insomnia, consult a doctor; it affects the ability to remember, depletes immune system, makes accident prone, causes depression and negative attitude towards life. Stress management is essential for maximising brain power, make it a priority to relax and practice deep breathing. The best ideas and memories come during relaxation time. Meditation is a part of religious and spiritual life. Western countries are adopting it as it develops peace of mind and reduces stress. There is evidence that regular meditation lowers sleep problems and protects brain against aging. (5)

## SECTION B

3.

### SITUATIONS VACANT

WANTED a smart, confident candidate with a Masters/ Ph. D degree in Mathematics, fluent in English as well as Hindi, amicable nature and at least 4 years of experience of teaching in a school affiliated to the CBSE Board for the post of TGT (maths) at National Public school, Jaipur. Remuneration commensurate with performance. Interested candidates to mail their biodata to nps@gmail.com. Selected candidates would be informed via a telephone call. Further interview to be held on th and 5th February, 2019 between 9:00 am and 3:00 pm. For further details, contact the reception : 45600000 (4)

OR

SUNRISE PUBLIC SCHOOL, GURUGRAM

NOTICE

1st March 2019

## DRAWING AND PAINTING COMPETITION

This is to inform all the students that the school is going to organise a Drawing & Painting Competition. Arts Club requests all the budding artists and creative students to participate and enjoy a fun afternoon with colours. The details of the competition are as follows:

Date &amp; Day: 8th March, 2019, Friday

Time: 11:00 am to 1:00 pm

Venue: School Auditorium

Interested students are requested to give their names to their respective class teacher latest by 6th March 2019. For further details, please contact the undersigned.

Sd/-

Ridhima

(Secretary, Arts Club)

(4)

4. B-7/9

Mall Road

Delhi - 110001

2nd March 2019

The Editor

The National Times

147, Lajpat Nagar

Delhi 110006

Subject: Importance of education of women leading to a better status for them

Sir/Madam

Through the columns of your esteemed newspaper, I would like to express my views about the importance of education of women leading to a better status for them. In present times, it is important for the women to be educated, not only for the sake of gaining knowledge but also for providing them with a better stature and position in the society. Women today, are competent enough and are ready to work as equals.

For centuries, women were seen as mere caretakers thus education was not deemed important for them. This resulted in them being exposed and stuck in an abusive environment with no escape, as they were not independent. Their views were not taken into consideration and their voices were muted. Education acted as a revolutionary weapon and women had the means to get themselves heard. Women like Marie Curie created a place for other women in science with her Nobel Prize in chemistry. Education provides a person with economic independence, respect, and power to bring a change in the society. When women started receiving education they contributed to the workforce which was earlier operating at half the efficiency.

Educating women is just the first stepping stone towards their empowerment. Better status in the society means equal respect, income and standard of living. All of this has become of vital importance in a world like ours.

Thus, I hope my views find a place in your newspaper and make the people aware of the importance of education for liberating women so that they can stand as equals and conquer the world.

Thanking you

Yours Truly,

Taruna

(6)

**OR**

Sachin

61, Pratap Enclave, Bangalore - 560034

2 March 2019

The Manager

Mohan Sales, Ashok Vihar, Bangalore - 560024

Subject : Complaint against a malfunctioning refrigerator

Sir

This is to bring o your notice that I had purchased a Samsung 255 litres double door refrigerator from your showroom via receipt number : SR4400 dated 6th November,2018. The appliance is still in the warranty period, therefore, I would like free servicing according to the terms and conditions of the agreement.

The refrigerator is not functioning properly : its cooling has stopped and it is making a lot of noise. The icemaker has stopped working, due to which food items, are getting spoiled.

This is the first time these problems have occurred. Kindly send a company authorised personnel to come and mend the refrigerator on a Saturday between 5:30 pm and 7:30 p. I await an earl and prompt action for you.

Yours sincerely

Sd/-

Sachin

(6)

### 5. For the motion -

Goodmorning ladies and gentlemen! The motion tabled before the house today is 'indulgence of youth in the use of internet is a great bane for them' and I stand firmly against the motion. Today's youth has become addicted to playing computer games or chatting with their friends on social networking sites. Excessive indulgence of youth in the use of internet has made them a slave of the internet world. They have been affected negatively as they tend to experience only the 'virtual' and ignore the 'real' world. Their inter-personal relations suffer and they get distracted from work and study.

Cyberbullying and cybercrime have become real concerns today, especially when it comes to innocent youth. Indulgence of youth in the use of the internet is extremely dangerous because rumours can be spread and extreme religious sentiments can be hurt through internet, which in turn, can affect the mentality and perception of the future of our nation.

The Internet is used not only for beneficial purposes in all good sense, but it is also used by people with bad intentions to gather information available easily on various websites about the youth and use it for their personal benefit by blackmailing and threatening them. Thus, I would like to conclude that though the internet would be the best invention of the 20th century, it is more harmful than most other inventions done for liberating, educating and empowering the youth.

(10)

OR

Good morning students and my dear teachers! As the Principal of this school, I would like to speak about the importance of indoor team games in this polluted atmosphere of the city. It is my duty to ensure that your health does not suffer due to the environment we are living in and the fatal combination of gases which we are inhaling these days. This advice will give you a better knowledge on how to live a healthy life in this metropolitan city.

It is said that outdoor exercise or a walk during morning or evening is good for your health but in winters, it has become more hazardous than beneficial to play, exercise or walk in open areas. Thus, the need of the hour is that we start playing more of indoor (team) games and by indoor (team) games I don't mean games that require a computer screen.

During school hours, one must take advantage of the facilities provided here for playing basketball, badminton, tennis, squash, etc. as they will help you improve your health and breathing by increasing stamina. The required gear and set-up for various indoor (team) games is available to you during sports period. Please make best use of this. (10)

#### 6. Hardwork and Punctuality : Most Desired Virtues

By Kavya

'Punctuality should not be limited to arriving at a place at the right time, it extends to taking actions at the right time'- this famous quote by author Kale Wood quintessentially sums up the importance of punctuality.

It is a student's responsibility to gain knowledge, learn new skills, and finally prove what he has learnt in the various assessments. Time is of utmost importance; assignments and projects to be submitted on time. Only, if the child is punctual in getting to school and attending his classes, will he learn all that the school curriculum has to offer. "Time and tide wait for none"- be punctual and extract the maximum from each moment of your student life!

Punctuality and hardwork are two flip sides of a coin. Talent is natural aptitude for something, it could be a talent for singing or painting, etc. But, talent is lost without hard work. We could have a skill, but its usefulness is proved only when it is utilised. To develop a natural skill further, a lot of hard work, persistence and punctuality is required. As human we are prone to procrastination, delaying things till the last moment arrives. Success comes to only those who are able to break this vicious behaviour cycle and become friends with hardwork and punctuality.

It has been statistically proven that many talented or gifted individuals fail to succeed because they don't have the drive to pursue and stay persistent towards their ambitions. In contrast to this many average yet hardworking and punctual individuals are able to achieve their goals. Hence, it is proved that hard work and punctuality are essential for a happy and successful life. (10)

OR

Blood Donation Camp in ABC Colony

-By the correspondent

Thursday, 28 March 2019, New Delhi- A blood donation camp was organized in the community hall of ABC Colony by the NGO - 'For Your Health' on 25th February 2019 between 10:00 am and 2:00 pm. The camp was a great success as people from all age groups above 18 came forward and participated in the camp. Even the members of the residential committee showed their support by donating blood.

Various street performances and melodious songs were performed by the NGO volunteers to attract the attention of the residents towards the camp. An efficient team of doctors and nurses gave knowledge on various aspects related to blood which are not commonly known by people apart from it being a vital fluid in the human body. A healthy human being can donate blood once in eight weeks. Many lives can be saved through voluntary donation of blood in the blood donation camp. The blood collected in such camps is of utmost importance during natural



calamities and medical emergencies. The arrangements were well taken care of. Each donor was supplied with milk and glucose biscuits to regain strength.

Accidents and mishaps happen regularly, blood shortage is a common occurrence in hospitals. If citizens take required initiative by donating blood in such camps many lives can be saved. The camp was closed by a short speech by the President of the residential area. All the people, agreed that such camps should be organised regularly. (10)

7. (i) The poem is 'My mother at sixty six' and the poet is Kamala Das. (1)
- (ii) The poet's childhood fear is that someday she would lose her mother to death (1)
- (iii) The poetic device is simile. (1)
- (iv) Late winter's moon is pale and seems lifeless, this is used to signify that the poet's mother has lost vitality and energy, she looks pale and lifeless in her old age. She is in the winter of her life which is compared to the last stage of life. (1)

OR

- (i) The unlucky heir is a student sitting at the back of the elementary school's classroom. (1)
- (ii) He has inherited twisted bones, his father's disease and illness. (1)
- (iii) At the back of the classroom is a child who is sweet, young and unnoted with dreams in his eyes. (1)
- (iv) He is different from the rest of the classroom as his eyes are full of dreams, unlike the despair of the classroom. He dreams of playing with squirrels. (1)
8. (i) On the day of the last lesson the village elders had occupied the backbenches in the classroom. They regretted not coming to attend school when they had the chance to. Their language and identity was being taken away from them. They were Frenchmen who wouldn't know how to speak French. As M. Hamel said Alsace had a habit of putting things to last. They had come to pay respect to M. Hamel's forty years of dedicated service (3)

- (ii) The poet's mother had told him that the Yakima river is treacherous and kept fresh in his mind the details of each drowning. Therefore, the poet chose the YMCA swimming pool which was two to three feet deep in the shallow end and nine feet on the deeper end with the drop being gradual. (3)
- (iii) Primary schools were opened in six villages of Champaran and an appeal was made for teachers. Gandhi's pupils, along with their wives and teachers from distant parts of the country, volunteered to work. His son Devdas and wife Kasturba also taught rules on personal cleanliness, hygiene and community sanitation. His wife also taught girls how to wear clean clothes. (3)
- (iv) When Jilani Jung Bahadur was ten days old the chief astrologer predicted that the child that is born will die one day. On this the ten days old prince spoke very clearly that death is inevitable, it would be more helpful if they could tell something about the manner of death. After this everyone was shocked and the chief astrologer put his hand on his lips and said that the child raises intelligent questions indeed. (3)
- (v) Dr. Sadao was a compassionate person and highly valued his duty as a doctor. He treated the American soldier even though he was an enemy, which shows his love towards humanity. However, he was patriotic towards his country as well and decided to inform the general about his American patient. He had stayed back from war to treat the general. (3)
- (vi) Jack is a dominant male. This can be seen by lines in the text that he liked women to be apprehensive and waiting for his next words. He did not like it when Jo made a whiny face to have fun. He could not look at his pregnant wife, neither understand her situation. He was a dominant parent and made sure Jo learns the lesson that he had wanted to teach her by not changing the ending to the story and threatening to hit her if she comes down the stairs. (3)

9. (i) The glass bangle industry was nothing more than a death trap. Thousands of men, women and children work in dingy cells with no light and air, rising temperatures and hot glass furnaces. They slowly lose their eyesight and immunity. Even after all of this most families like that of Mukesh's are not able to manage two square meals a day and a roof over their heads. Like Mukesh's grandmother most of them are fatalists accepting this to be a god given lineage. They are burdened by the stigma of caste and poverty. They don't have any leaders who can start cooperatives. They are unaware about the labour laws that prohibit such living conditions. (6)
- (ii) The peddler had always been a victim to the apparent atrocities of this cruel world, he liked to think ill of it and its citizens. He thought the world was a rattrap and everyone was attracted to the lands, riches, joys it had to offer. But the kindness of Edla completely changed him. Initially he had been given shelter under the belief that he was an old friend of the owner of the ramsjo ironworks. However when the next day his identity was discovered the owner suggested giving him away to the police, it was only because of Edla that her father agreed to host him for Christmas. For the first time the tramp slept peacefully and had a hearty meal. The young girl didn't care about his identity and served him with pleasure. She, gave him new clothes and offered him to come back next year. In the end, the peddler completely changed and returned the money he had stolen. (6)
- (iii) Sophie was a dreamer and unrealistic. She dreamed of becoming an actress like Mary Quant or opening a boutique. She hero worshipped Danny Casey and made stories of meeting him. Jnsie on the other hand was a practical girl, she was aware of her economic conditions and knew that she and Sophie have been earmarked for the biscuit factory. Hearing about Sophie's unrealistic expectations made her sad. Sophie felt that the world was waiting for her arrival, she was living in her own illusion. (6)
- 10.(i) Derry and Lamb both were victims of mishaps. Mr. Lamb had a tin leg while Derry had a half burnt face. However their attitude towards life was completely different. Derry was pessimistic, depressed and hated other living beings. He felt that no one will ever love him except his mother as he had once heard a woman saying the same while walking down the street. He felt that he could not achieve anything and would never make any friends. His parents worried as to what will happen to him after they are gone. In contrast to Derry's attitude, Lamb did not let his tin leg hold him back. He was an optimistic, affectionate and energetic person. He made jelly for kids, welcomed everyone into his life and inside his house. He saw weeds the same as flowers and believed 'handsome is as handsome does'. (6)
- (ii) The governor was a man who was devoted to his job. He well understood the prisoners under him and recognised their nature. He had suspected that Evans would try to escape the prison. Therefore, he takes all precautionary measures. However he did turn out to be a gullible person as Evans was able to outsmart him. He became over smart and felt that Evans would never understand German which inturn was him not understanding the parts of the escape plan. He was also compassionate towards the prisoners as he did not bad mouth Evan unnecessarily while talking to the examinations board incharge. (6)
- (iii) The distance from Bama's school to her house could be covered in ten minutes, However it took her thirty minutes to one hour to reach home. This was because she took her time observing the

activities going on in the market place. The performing monkey, the snake that the snake charmer kept in the box, the cyclist who had not gotten off his bike for three days, Maariyaata Temple, the huge bell hanging there, the Pongal offerings, the dried fish stall by the statue of Gandhi, the sweet stall, the hunter gypsy with his wild lemur in his cages and at times speeches of various political parties are some of the things Bama enjoyed during her stroll. She found it very funny how an elder from her village was walking with a plastic packet held by strings which was sadly an act of discrimination against his caste. (6)

- 11.(i) Mrs. Hall felt that it was a stroke of luck that she had a guest at Iping during the winter time. Moreover, the stranger was no haggler, and paid for his room up front. Thus she decided to she would take him in as a guest at her inn. The stranger behaved in a suspicious manner as he was covered from head to toe when he arrived at the inn in Bramblehurst. The brim of his soft felt hat hid every inch of his face except the shiny tip of his nose. His shoulder and chest were covered with snow and a white crest of snow had formed on the luggage that he carried. He asked not to be disturbed by anyone because he did not want his secret to be revealed. Mrs. Hall being a sympathetic lady tried to talk to him suspecting he had been in an accident. However the man rudely stopped her advances. (6)
- (ii) Mr Marvel met a Mariner at Port Stowe. He was an elderly gentleman who had stepped out of the inn carrying a newspaper. He observed Mr Marvel carefully, with an observant eye and then initiated a discussion about the weather with him. He then spoke about the extraordinary events and anecdotes of an invisible man mentioned in the paper. Mr Marvel was about to spill the beans about the invisible man when he was stopped abruptly by Griffin. When

Marvel told him that the tales about the invisible man were all a hoax, the Mariner was upset with Marvel for letting him believe that there was an invisible man and for ranting about him.

- (iii) Dunstan Cass and his brother Godfrey were left carefree by their father Squire Cass which made Dustan's idle mind to think about evil things. He has a negative character and kept going with his evil thoughts. It was like he got away doing bad every time which basically encouraged him to do more. He persuaded his brother to marry Molly, blackmailed him for money and told him to sell the horse. The more and more he demanded, the more it worked out for him and kept it going. He killed the horse with his cowardice and eventually stole Silas gold. But with all this, he had unfortunately landed in his own death by falling into the stone pit. He didn't let others lead a life nor could he live long to live his. (6)
- (iv) Lantern Yard and Raveloe were two different towns, both religiously and socially. People in Lantern Yard were more inclined toward religiousness but not friendly whereas people in Raveloe were more friendly but not that religious. When Silas lived in Lantern Yard, he was happy. He had many friends and he was preparing to marry a beautiful girl. He was hard working and courteous. He moved out of Lantern Yard and went to Raveloe when Dane tossed him out of the village. In Raveloe, his life was completely different. He had no friends, he stayed alone at his home full day. In a course of time he turned into a cold and bitter man who was focused on saving money and hoarding it. He lost interest in socialising. He enjoyed only in one thing, ie. Counting his money. In the Middle of the story, Lantern Yard grew in size and people worked even harder, but there was pollution as well which grew and no one bothered about that. On the other hand, Raveloe was not growing in terms of industrialization but they were more careful about their personal joy and



well-being. Silas was the only person who was into industry work and was earning a lot of money. The change came in Silas's life when Eppie came in his life, she brought back the concern of human. (6)

- 12.(i) Griffin was one of the most gifted physicists in the world, as he was the one to discover, invisibility. He uses his invention to turn himself invisible. He betrayed Mrs. Hall who was nothing but kind to him and robbed the vicarage. During the course of his experiments, he displays no compassion for the cat that suffers miserably as he drugs and uses chemicals on her. His father had to commit suicide because the money that Griffin had stolen from him belonged to someone else and instead of feeling guilty, he justifies his actions by calling his father a sentimental fool. In Drury lane he robbed the owner of the house and left him bounded and gagged to suffer. He attacks Kemp and anyone else who refuses to assist him, he had the plans of establishing a reign of terror. He mercilessly killed Colonel Adye, a brave police officer and the innocent and elderly Wicksteed was also one of his victims. His actions exhibit how morally degraded and self centred he has become. "The invisible man " truly highlights the theme of corruption of morals in the absence of social restriction. (6)
- (ii) Griffin was one of the most gifted physicists in the world, he discovered invisibility. He uses his invention to turn himself invisible. He betrayed Mrs. Hall who was nothing but kind to him and robbed the vicarage. During the course of his experiments, he displays no compassion for the cat that suffers miserably as he drugs and uses chemicals on her. His father had to commit suicide because the money that Griffin had stolen from him belonged to someone else and instead of feeling guilty, he justifies his actions by calling his father a sentimental fool. In Drury lane he robbed the owner of the house and left him bounded and gagged to suffer. He attacks Kemp and anyone else who refuses to assist him, he had

the plans of establishing a reign of terror. He mercilessly killed Colonel Adye, a brave police officer and the innocent and elderly Wicksteed was also one of his victims. His actions exhibit how morally degraded and self centred he has become. Kemp who also was a man of science, he was tall and had flaxen hair, he believed that his work would get him the membership to the Royal college. Kemp was a morally upright man. When Griffin asked him to become his partner in the crimes he was going to commit Kemp looked beyond his personal benefit and informed the authorities. He did not care about the fact that this could prove to be life threatening for him. Unlike Griffin he was compassionate and went to all lengths so that he could save the world from this man who had completely turned into a criminal. Even though both were men of science one used it to create mischief and the other to save the society. (6)

- (iii) Godfrey is a kind man but is weak and flawed. He has no strength or courage when it comes to standing up to his brother and his father and is easily dominated by them. When his wife dies, he allows his child to be taken by Silas and does not claim responsibility for her. However, he still sees Eppie as his daughter and wants to make her life as comfortable as possible. He helped in expanding Silas's cottage, gave them beds to sleep on and later on even promised a new garden for Eppie. He feels a constant guilt for not acting as a father figure for Eppie. (6)
- (iv) Dolly Winthrop is a kind and helpful woman, she was the wife of Ben Winthrop, a wheelright. She helps Silas and treats Eppie like her God-mother. She brings Cakes for them and requests him to eat and also pleads him not to do weaving on Sundays. She also guides Silas about how to take care of a child when he starts taking care of Eppie. She remains like a trusted advisor for Silas for life. Silas also trusts her and takes her advice whenever he needs, whether for himself or for Eppie. She also helps Silas to trust the world. (6)