



KAHM UNITY WOMEN'S COLLEGE , MANJERI

DEPARTMENT OF CHEMISTRY
**REACTION
REALM**
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Digital
magazine

THE CHEMISTRY OF LOVE AND CARE

We know that caring is very important in everyone's life. Every creature growing with caring. Since from our mamma's tummy we cared by our mamma. But their caring has such a kind of love. Speciality of parent's caring is they care with a lot of love. the CHEMISTRY OF LOVE AND CARING is amazing. That chemistry is need for every person coming to our life that chemistry is needed in every one of our activities. That bring an ideal personality for a man.

Look at the doctor's side, we can see that there are two types of doctors one of them are they are care the patients but their work is without heartfelt. Because they care the others without loving. Another one is they care patients with an amazing smile. Because they looking the patients with kindly. That is, they know that the opposite person is also a man with a soft heart. They were coming because of their weakness in their physical or mental state. So, the chemistry of love, care and kind is important in a person's life. The love has an incredible power to calm the mind or solve a problem.

Human is social creature. To fill up the minds of a man that is men or women the loving, caring, and sharing is very important. If we want that love and care to always be in our heart, we must first have that much gratitude for our parents. We cannot understand anyone else without understanding our parents
Look at the non-human creatures they care their children at first with a lot of love until a certain time. But in humans our parents are always with us for support and loving. Without love and care we are not humans.

THE CHEMICAL REACTION OF LOVE AND CARE IS ALWAYS SWEET

FATHIMA SHANA KM
SECOND SEM CHEMISTRY

ONCE.

Between the
shelves,
Found something
Covered with dust.
A thin golden piece
flashed
I stepped closer to
it,
picture of a girl,
exactly looks like
me,
But not.
'Individual
champion' printed
on those golden
shields.
Where were you?
What happened?
Asked those
shields
I closed my eyes,
Sound of applause,
Echoed ears,
Tears filled the
eyes.
Shut the shelves,
without answering
any of those.
I turned back once
again,
They all said, we all
miss you
champion.
I turn around and
walk away,
With tears
Like they said,
I miss me.

Leave Footprints of Courage

Blaze the trail where none have tread,
Leave footprints of courage, where others are led.
Through the wilderness of doubt and fear,
Success blooms, as the trailblazer draws near.
The path may be rugged, the journey long,
Yet in perseverance, find your song.
Your legacy written in every stride,
Success is the trailblazer's guide.

Shamla.P.

4th sem BSc chemistry.

Life in chemistry
(Haiku)

Chemistry a subject
Which talks about bonds
Which can break and mend.

Ridha.E
4rth sem chemistry

Low Birth weight Baby

Introduction :-

Failure of the fetus to reach the optimum growth potential makes pregnancy a high risk one. In India about $\frac{1}{3}$ rd of infants weight less than 2500g. It is logically to correlate birth weight and gestational age with risks of neonatal morbidity and mortality of the individual countries or population groups.

Definition :-

A baby born - before 37 completed weeks of gestation calculating from the first day of last menstrual period is arbitrarily defined as preterm baby.

Etiology :-

About 50% of Low Birth weight is not known. previous history of Low Birth weight baby delivery, pregnancy followed assisted reproductive techniques, smoking habit and maternal stress.

Clinical manifestations :-

weight is 2500g or less, length is usually less than 44cm. Head and abdomen are relatively large. Head circumference disproportionately exceeds that of the chest, plentiful lungs and vernix caseosa due to lack of subcutaneous fat. plant deep creases aren't visible before 34 weeks. Testicles are undescended. Labia minora are exposed because the labia majora aren't in contact. Nails are not grown slightly.

Management :-

To assess the gestational age. confirmation of diagnosis. To stop preterm labour, if not contraindicated. Effective neonatal care. maintain a thermoneutral environment. use a temperature controlled bed. provide specific special feedings by tubes. watch signs of cold stress such as cold feet and warm abdomen. depending upon babies conditions, there must be need proper follow-up.

prevention :-

Hand washing by the health professional attending delivery and by the mother and family before handling the baby. Avoid unnecessary interventions such as IV lines and needle prick. Ensure early and exclusive breastfeeding and avoid all prepacked feeds. careful management of feeding techniques.

conclusion :-

Case of Low Birth weight babies in resource restricted countries still depends on cost effective preventive measures. prevention of perinatal asphyxia, Hypothermia infection together with appropriate feeding have significant impact in reducing Low Birth weight morbidity or mortality. Low Birth weight is a public issue that can lead to serious health problems.

A World of Their Own

A generation born in a digital age,
With screens and wires, as their stage.
Their lives a blur, of ones and zeroes too.
A world of technology, that's forever new.

A digital age, they are born to thrive,
With screens and wires, their world alive.
Diverse and proud, they raise their voice,
Demanding Justice, and a better choice.

This generation's, a complex work of art,
A tapestry woven, of diverse heart.
May they find balance, in the digital haze,
And nurture their souls, in a world of endless daze.

Ajvada . PP

4th Sem BSc. Chemistry

CHEMISTRY

The son of Antoine Lavoisier

Or the daughter

Friend of Physics and biology

And many other's

Study of matter or

The study of chemistry itself?

Hund,Pauling and Bohr with

Their principles

Doctors and engineers and chemist

Worrying about the world

And chemistry with it's inorgan- ic

Making chemists feel that -ick

Likewise chemistry in life

Is the real chemistry

Chemistry with your lover

Chemistry with your friends

Chemistry with your parents

Even chemistry with your chemists

Must result the best

Oxidation follows reduction

In your life's reaction

Working out chemistry

Working out harmony of your life

Yes chemistry,

You are irreplaceable

Without you the world is not living

And yes we love you

-Dilna CH 2nd sem chemistry

WHISPERS OF PAIN

The pale full moon shines like
A silvery orb in the night sky.
Stars were sparkling and gorgeous
The moon and stars accented
The night sky perfectly.
The night whispers secrets
To the moon and the stars.
In the shadow of this night,
A silent strife is wrathing where
Love is supposed to be
Scream remains unheard
A fetching soul is breaking slowly,
Crushed beneath the physical harm and words.
Bruises fade, scars within deeper
Heart holds the stain
A voice cries out for freedom
Spirits burning bright
Each step towards freedom is
Brighter than the day.
Breaking the silence,
Raising voices,
And screams towards the endless night.
Feel the smell of freedom
Light will surely shine
A warrior is grown.

RANA SHIHAB CT

SECOND SEM CHEMISTRY

ONE LAST TIME

It was the season of fall when Aman went to the Russian Institute of Army to persue his dream of serving the nation. He was twenty-four when he left for Uzbekistan leaving home his beloved parents. His parent's eyes were filled with tears and pride as he left the town.

He reached the Institute at about midnight and went straight ahead to his room where he met his roommate Fazal. Fazal was coming from Moscow, leaving behind his wife and son at home. They both had some chit chat and went to bed. Their minds were filled with the hopes and dreams of becoming a soldier one day and serving the nation. The bell rang at about 4:30 in the morning and they had to go for a run at 5am. They both got ready as fast as they could and started their journey. They had to move through the harsh cold weather and it felt almost unbearable. After the run, they took a quick shower and reached for the assembly on time. As the assembly began, they saw two soldiers approaching, and coach gave them a punishment to walk on knees through the whole ground thrice because they were five minutes late for the assembly. Aman and Fazal were a bit shocked by the punishments and engraved in their minds that they would try their best to be not one of those who would get that punishment. The day went on with a lot of training and classes and they both were tired as the day ended. They had no phones to call home. They were only given a chance to call home once a week for ten minutes. The first week was exciting for them but it became a

bit tough as it kept going. The classes and training were the only thing there and they both could not handle it with ease. Weeks and months went by and their bond grew stronger. They became brothers from two different places.

It was the time to go home after two long years as they had a vacation after the exam. They parted their ways and kept contact throughout the vacation. Aman's mother Khadeeja was waiting for him by the footsteps as he reached home. She has made all his favourites and has arranged his room and made sure he was comfortable at home. She could not stop her tears as she met him. They both talked for a while as he had his favourite food. He did not tell his mother about the harsh reality of being at camp because he did not want to disappoint her. He was sure that she would not be able to handle the truth. As they were talking, his father Abdul came from the market. He had brought some meat to make something special. He asked Aman a few questions and then went to his room. Aman returned back after a few weeks and as he came back, he met the love of his life. She was a new joiner in the institute coming from Dagestan. Her eyes were the colours of the ocean and her hair was as shiny as gold. Her face was lit with happiness and pride. Aman could not stop looking at her beauty. He had never met anyone as beautiful as her.

Fazal was in the room when he arrived and he was so excited to meet him. They talked about many things and at last Aman told him about the love of his life. He was desperate to know her name and details but

was scared to his core when Fazal told him to go and talk to her. Aman looked at her all day and was admiring her. At last, he had the courage to talk to her and as he approached her, his whole body was shaking. He went to meet her and she was wearing a blue dress. As he approached her, she was confused and then he asked her name. Her name was Sana. She had a mother and brother as her own. She had left them to become an army officer in here. They both talked for a bit because she was a bit of an extrovert and Aman was an introvert. This talking went on for days and it grew into a friendship which gradually became love. They both loved each other so much and could never part. They decided to get married as Aman proposed her in their favourite restaurant. They then went home and talked with their loved ones and with their blessings and grace, they got married. After marriage they both went back to the institute as it was Aman's final year. He had to go for duty as a trainee at the end of the course. So he went for it and they both were devastated about this. He would not be able to call them. He was only allowed to call once a month and this news hit her hard. She promised that she would be fine and he went. After a long six months of training Aman returned home. She was at his house as she was having a vacation at the time. They all lived happily and to add more happiness to their lives, a daughter was born for Aman. They named her Rayya. She was too close to her father and was a daddy's girl. They were living with happiness and peace, but it did not last long.

It was midnight when the call came to Aman's phone. The senior officer has called him and Fazal to assist him in the group attack happening at the border. They had to leave their home the next morning. Aman and his family were sad to hear about his departure but still they had to leave him. He left the town next morning and told goodbyes to his loved ones. Sana was at rest at the time so she could not join him or the institute. He promised them he would be back soon and left home. As Fazal and him reached their room, they had to pack their essentials to leave for work. They quickly gathered everything and went for it. The attack was good until the enemies started using bombs. They were not prepared for that and lost some of their soldiers to the blasting. Aman and Fazal tried their best to keep themselves safe and at the same time, fought the enemies. They were fighting hard and good but a false move cost them a lot. They took Fazal in the hand and pointed gun at his head. But their target was not him, it was Aman. They wanted him to join their team as he was more efficient. So they tried to kill Fazal. But Aman could not witness the sight of his dear friend lying dead in front of him. So he agreed to them and went with them. Fazal pleaded him to not go but that was the only option he had left. He could not bear the thought of Fazal's child growing up as a child without a father, so he decided to sacrifice himself for it. Fazal was not aware that Aman was going to kill himself to save his life. He then went with the enemies and killed himself for the sake of his country and his beloved friend. Fazal lost himself

when he got to know about the truth.

Sana, her daughter, Khadeeja and Aman's father were waiting for his arrival. But they did not know that they would never meet him alive ever again. When they got to know about the news, they went silent. Sana could not cry. She became numb because she lost everything. Khadeeja was devastated and headtbroken to hear her son's death. They did not know that when he left, it would be the last time that they would see him alive. They lived in the hope that he was living out there somewhere even though they knew that he would never come back.

This story is a tribute to all the soldiers and their families who struggle to give us safety.....

By,

Reema Nazar

4th sem Bsc Chemistry

YOU ARE A FLAME

You are a flame that burns with
flames of determination, ambition,
hardwork, luck and success

A burning flame that burns as bright
as the Sun

A flame that inspires people to follow
their dreams and achieve great things
in life

You are a flame that burns with greatness
A golden flame that burns with
golden dreams

A flame that will burn forever

You are a flame that cannot be
extinguished

For you are the fire that inspires
A flame that burns in the hearts
of millions



This picture is dedicated to all
chemistry lovers,

By.

Anugraha-k

8/3/25



Fyha Fathim
2nd Sem Bsc Chemistry



Naja farvin k
4th sem

Treatise of Letters

Noorlya Rahma IT
BSc chem 2nd Sem.

HOPE 



Fida sharafin.V
2nd sem Bsc chemistry

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

مَجْلَدُ

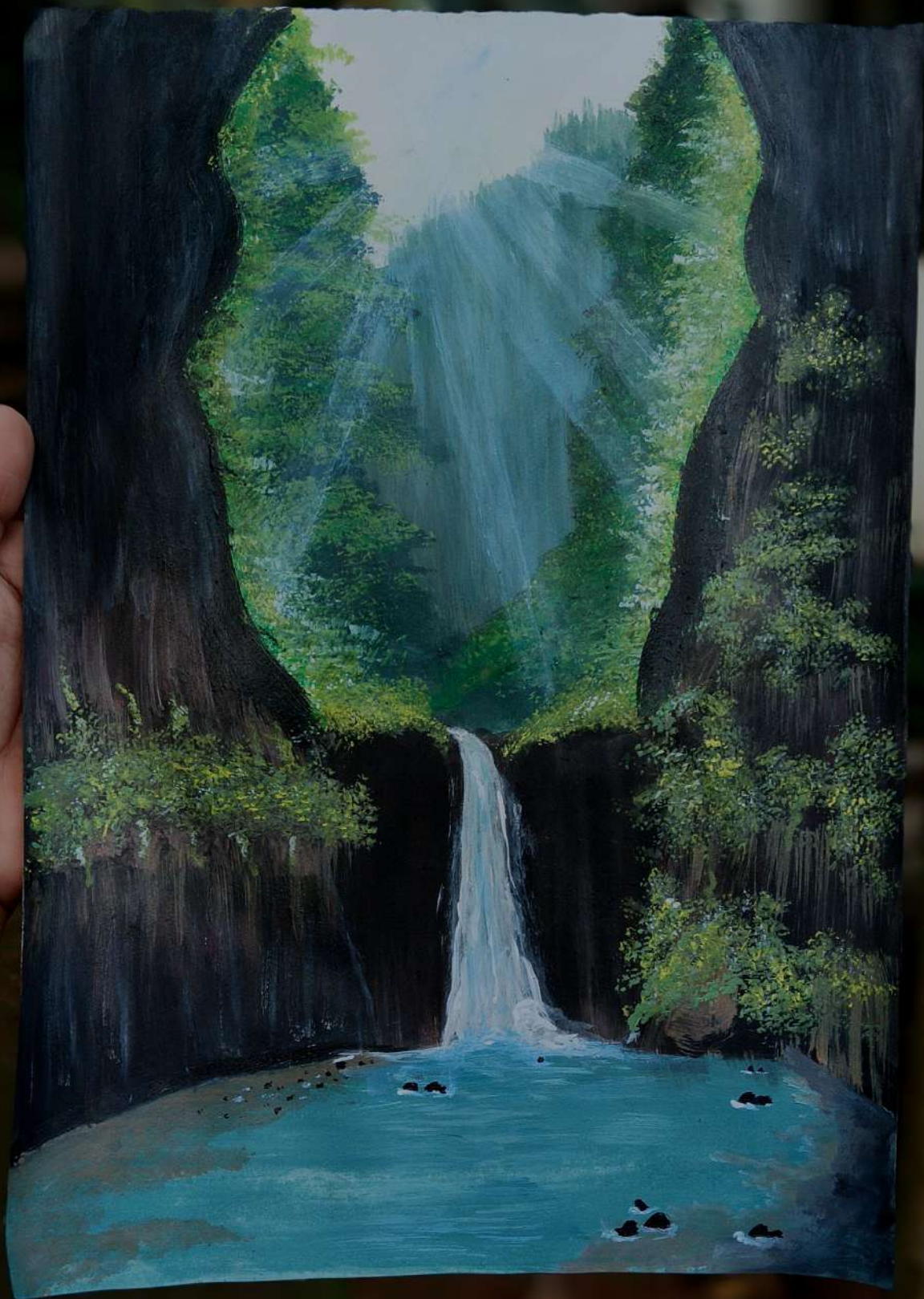
Fyha Fathim
2nd Sem Bsc Chemistry



"Be a real man" and
respect women.

Naja farvin k
4th sem

HOPE 🌟



Fida sharafin v
2nd sem Bsc chemistry

Freedom and Trust



Riya Nasrin V

4 th sem bsc chemistry