

SPARROW

SPARROW

ANNUAL HANDWRITTEN
MAGAZINE



DEPARTMENT OF ZOOLOGY
BIJNI COLLEGE, BIJNI

SPARROW

ANNUAL HANDWRITTEN
MAGAZINE



DEPARTMENT OF ZOOLOGY
BIJNI COLLEGE, BIJNI

Message from the principal

It gives me immense pleasure of know that, Zoology department is going to publish a handwritten edition of their annual magazine "Sparrow" both contributed to and prepared by the students. This efforts reflects the creative and critical awareness of the students and is a good medium to express themselves. I wish both the teachers and the students of the department a grand success in this regard and wish a long life for the "Sparrow".



Dr. Birkhash Giri Basumatary
Principal
Bijni College, Bijni

Message from the Vice Principal

I feel extremely happy that, the department of zoology is bringing out their annual magazine "Sparrow" in the handwritten form. I Congratulate the department and especially appreciate the endeavour of the students in expressing their feelings, thoughts and ideas in their own way. It will definitely bring them more confidence and audience in future. I wish "Sparrow" will live a life of beauty, love and longevity.



Mrs. Sobita Ray

Vice Principal

Bijni College, Bijni

Message from HOD

It is great pleasure to me that the department of zoology is going to publish Annual handwritten magazine "Sparrow" as a creative document of student activity.

I on behalf of Department of zoology appreciate for your valuable contribution and beautiful project.

Dr.

Dr. Anindita Chakravarty
HOD (Zoology)

Bijni College, Bijni

Words from the Editor

Welcome to our handwritten magazine Sparrow! This magazine brings you the joy of handwriting and creativity. I am thankful to our respected HOD Ma'am for her support and for giving me this responsibility. I am also thankful to my classmates for their support in bringing out this magazine.

Through Sparrow, we wish to celebrate the art of handwriting and carry good messages to society. May our words inspire positive thoughts and action.

Moniruj Jaman Sikder
B.Sc 3rd Semester

Department of Zoology
Bijni College, Bijni

Contents

TOPIC	PAGE	WRITTEN
1. THE UNFINISHED STORY.	01	MONIRUJ JAMAN SIKDER
2. METAMORPHOSIS: NATURE'S BLUEPRINT OF TRANSFORMATION.	02	ABHIJIT BASAK
3. THE PULSE OF LIFE.	03	JAHURA BEGUM
4. NATURE	04	MONJYOTI SARKAR
5. MIND'S MIRAGE	05	NIKITA TARAFDAR
6. THE POWER OF ARTIFICIAL INTELLIGENCE.	06	SANUWAR HUSSAIN
7. A WORLD WITHOUT LIGHT	07-08	ABHIJIT BASAK
8. EMBRYONIC SYMPHONY: THE SPARK OF LIFE.	09-10	NIKITA TARAFDAR
9. DIAGRAM	11	LAKSHMI BASUMATARY
10. DREAM	12	MONIRUJ JAMAN SIKDER
11. PLATYPUS MYSTERIOUS: WHY IT CONFESS SCIENTISTS EVEN TODAY.	13-14	KRITIKA CHAKRABORTY

12. THREADS OF ZOOLOGICAL LIFE	15	SWEETY BASUMATARY
13. HUMAN HEALTH	16	TAMANNA HASMI
14. THE FUTURE OF SPACE TRAVEL: FROM DREAM TO REALITY.	17-18	NARGIS PARBEEN AHMED
15. SUCCESS IS PAINFUL	19	IMAMUL KHAN
16. DIAGRAM	20	LAKSHMI BASUMATARY
17. THE IMPORTANCE OF ENVIRONMENTAL CONSERVATION	21	ESMINA KHATUN
18. ANIMALS FUN FACT !	22	MONIRUJ JAMAN SIKDER
19. VOICES OF ZOOLOGY	23	NISA BASUMATARY
20. ANIMAL BEHAVIOUR	24	RUMIA BEGUM
21. A FUTURE WITH ZOOLOGY	25	JUBILI MUCHAHARY
22. LIVING BIRD'S	26	PAOMINI BRAHMA
23. CLIMATE CHANGE: A GLOBAL CHALLENGE	27-28	LAMISHA TAJMIN
24. BENEATH THE SEA	29	LAKSHMI BASUMATARY
25. NATURE'S BEAUTY: A SYMPHONY OF WONDER	30	ANJANA NARZARY

THE UNFINISHED STORY

We were a story
with pages left unwritten,
a book left open
on a windowsill,
waiting for a wind
that never came.

Perhaps in another life
another chapter,
another dream—
we will pick up the pen,
and write the ending
we never got to have.

~ Moniruj Jaman Sikder

Metamorphosis : Nature's Blueprint of Transformation.

Metamorphosis is one of nature's most fascinating processes - a silent yet powerful story of transformation. From the crawling caterpillar that becomes a butterfly, to the tadpole that grows into a frog, metamorphosis shows us that change is not just natural but necessary.

In insects, metamorphosis can be complete or incomplete. A butterfly undergoes holometabolous metamorphosis passing through egg, larva, pupa, and adult stages. During this journey, tissues break down and reform into wings, antennae, and compound eyes. What looks like destruction inside the chrysalis is actually creation. Frogs too, begin life as aquatic tadpoles breathing through gills, before transforming into land-dwelling adults with lungs and legs.

But metamorphosis is not limited to animals. It symbolizes the universal truth of growth. Just as a caterpillar must surrender its old form to gain wings, we too must shed old habits, fears, and limitation to become who we are meant to be.

- Abhijit Basak

The Pulse of Life

Beneath the microscope's quiet gaze,
A universe stirs in countless ways.
The cell, the wing, the fleeting breath,
The fragile dance of life and death.

A tiger's roar, a sparrow's song,
Each heartbeat tells where we belong.
In every scale, in every eye,
Echoes the earth, the sea, the sky.

Zoology isn't just names and charts,
It's the rhythm of countless hearts.
To study life is to deeply see,
The soul of nature and humanity.

~ Tahura Begum

Nature

Nature is the greatest gift of Earth, providing life to all living beings. It includes everything we see around us - trees, rivers, mountains, air, animals, birds, and even the smallest creatures. Nature gives us food to eat, water to drink and air to breathe. Without it, survival would not be possible.

The beauty of nature is inspiring. The green forests, colourful flowers, chirping birds, and flowing rivers bring peace and happiness to our minds. It also maintains ecological balance.

For example, trees absorb carbon dioxide and release oxygen, while animals and plants depend on one another for survival.

Sadly, human activities such as deforestation, pollution are destroying nature. If we continue harming it life on earth will be at risk.

We must protect nature by planting trees, conserving water and reducing pollution.



~ Moujyoti Sarkar

Mind's Mirage

The mind is forest, dark and wide
Where shadows of creatures live and hide
A chameleon shifts from truth to lie,
Changing its colour as thoughts pass by.

A moth keeps chasing a burning flame,
never reaching, yet still the same.
Snakes of doubt twist round and round,
Whispering fears without a sound.

Spiders of thought spin threads so thin,
trapping the dreamers deep within.
The mind is jungle, wild and unkind
the greatest trick played on mankind.

~Nikita Tarafdar.

The Power of Artificial Intelligence

Artificial Intelligence (AI) is transforming the world by enabling machines to learn, reason, and interact like humans. With its ability to analyse vast amount of data, AI is unlocking new insights and improving decision-making across industries. From healthcare to finance, transportation to education, AI is revolutionizing the way we live and work. AI-powered systems can automate repetitive tasks, freeing humans to focus on creative and strategic work. Additionally, AI is enhancing customer experiences, predicting outcomes, and optimizing processes. However, as AI continues to evolve, it's crucial to address concerns around bias, job displacement, and ethics. By harnessing AI's potential and ensuring responsible development, we can create a bright future for all.



- Sanuwar Hussain.

A World Without Light

In ocean's silent, shadowed keep,
Where sun's bright rays dare not seep,
A world unfolds, so dark, profound,
Where whispers echo without sound.

No gleam of day, no golden hue,
Yet life persists in waters blue.
Bioluminescent, spirits glow,
Tiny beacons in the undertow.

Jellyfish drift with gentle grace,
Their lanterns lighting empty space.
Anglerfish with eerie lamp,
Lures prey into the silent damp.

Squid of light, in hues of green,
Dance in patterns rarely seen.
Glowworms twinkle in abyss,
Guiding lost souls with gentle kiss.

A starry sky beneath the sea,
An alien beauty, wild and free.
Silent pulses, rhythmic, slow,
Life's soft heartbeat in the glow.

In this dark world, wonder thrives,
Where light is rare, but life survives.
A universe of silent light,
Born from darkness, pure and bright.

~ Abhijit Basak



Embryonic Symphony: The spark of life.

In the quiet sanctuary of a mother's womb, a miracle whispered itself into being. At first, it was no more than a spark, two tiny cells meeting in a secret dance, wearing threads of possibility. They held inside them a script older than the stars, a blueprint written in whispers of DNA.

The spark began to divide, not with noise or haste, but with a rhythm as gentle as breathing. One became two, two became four and soon a cluster of cells huddled together like a secret constellation. It floated within the warm, dark sea, listening to the symphony of a heart that beat above it, steady, protective, eternal.

Day by day, the embryo learned to shape itself. A fragile line curved into the promise of a spine. Tiny buds emerged, dreaming of arms and legs. A hollow circle beat faintly, its first heart, shy yet insistent, like a drum calling life to awaken.

Though unseen by the outside world, it was busy painting itself into existence. Wearing veins like rivers, sculpting eyes that would one day see the dawn, sketching fingers that might someday reach for love.

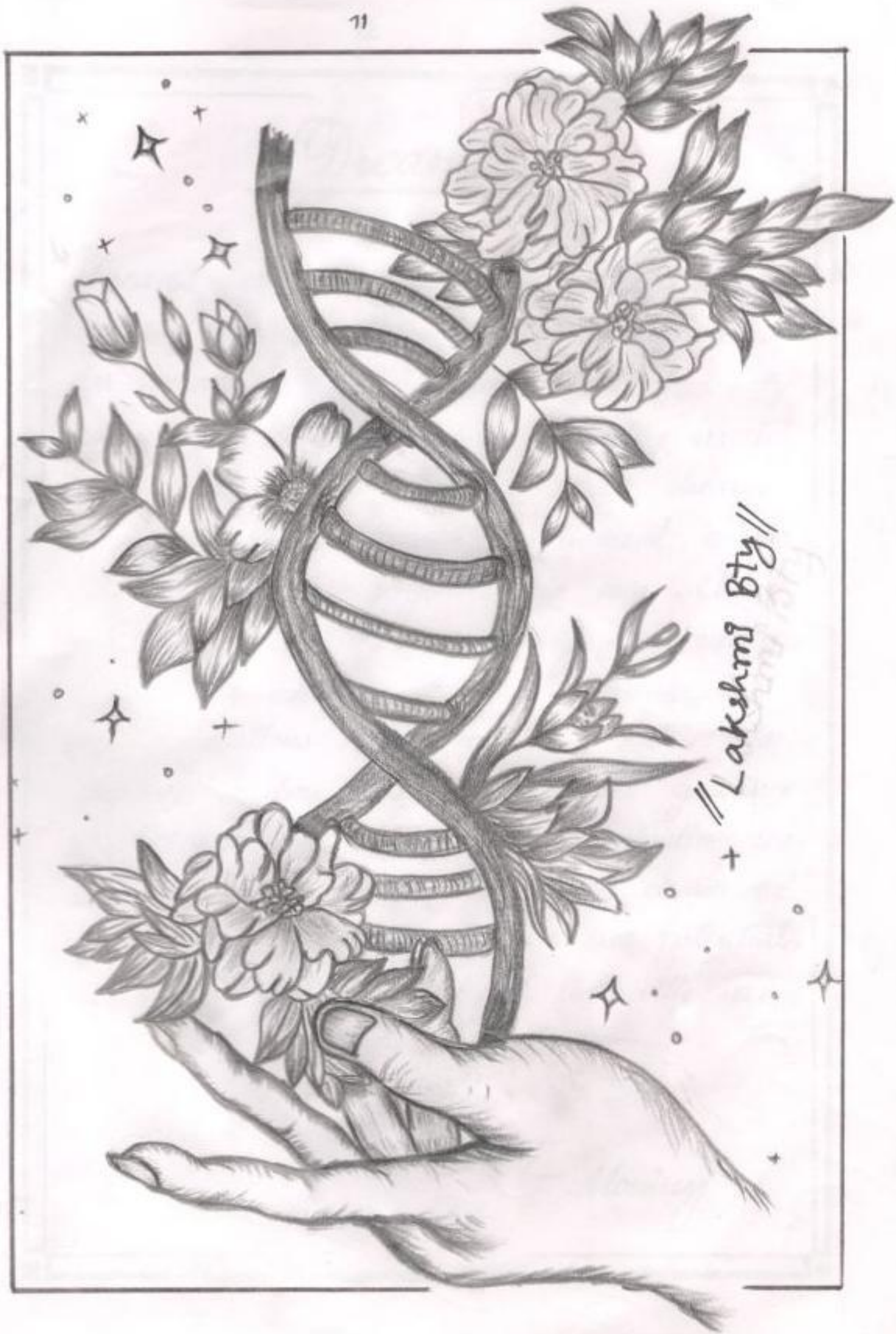
Time passed and the once invisible spark grew bold. It began to move, to stretch, to curl in on itself like a piece of literature not yet finished. Within the silence, it heard the world in echoes, the murmur of its mother's voice, the distant full of laughter, the hush of dreams.

And one day, when it was ready, the embryo that was once just a whisper became a child. A being who could cry, breathe, feel and carry within them the same miracle, the power to create life anew.

It began as a secret spark. It became a story.

And that story was called life.

-Nikita Jarafdar



Dream

Dreams are the whispers of our deepest desires, echoing through the corridors of our minds. They weave tales of adventure and triumph, inspiring us to chase after the impossible. In dreams, we find solace and excitement, as we explore worlds beyond our own. They are the seeds of creativity, sprouting visions of what could be. Dreams fuel our aspirations, pushing us to strive for greatness. They are the lanterns guiding us through the darkness, illuminating the path to our goals. With every dream, we inch closer to realizing our true potential, embracing the magic that lies within us.

- Moniruj

Platypus Mysterious: why it confuses Scientists even today

The platypus was stitched together from spare parts - duck's bill, beaver's tail, otter's feet. When first saw it in the late 1700s, they thought it was a hoax, an animal sewn together by pranks-sters. But this bizarre creature from Australia is very real and still puzzling scientists.

Unlike most mammals, the platypus lays eggs. Yet, it also produces milk to feed its young, but without nipples. The milk seeps through the skin. Even stronger, males have venomous spurs on their hind legs, making the one of the few venomous mammals.

Its bill is not just for look. It's packed with electroreceptors that sense tiny electric signals from prey underwater, allowing the platypus to hunt with eyes, ears, and nose closed. Genetically, the



Platypus is a patchwork, carrying traits of reptiles, Birds and mammals all at once.

Every discovery about the platypus adds another layer of wonder. It's living proof that evolution doesn't follow straight lines, it experiments mixes and surprises us. No wonder the platypus remains one of the nature's greatest mysteries.

~ Kritika Chakraborty



Threads of Zoological Life

From buzzing bees to soaring kites,
From forest trails to city lights -
Life unfolds in wondrous ways,
In every dawn, in all our days.

The lion's roar, the sparrow's song,
Each has a place, they all belong.
Ants that march, whales that dive,
Together they keep the Earth alive.

Zoology shows the grand design,
That links your beating heart to mine.
For every creature, great or small,
Is part of one life that binds us all.

~ Sweetly Basumatary



Human Health

Health is one of the most valuable assets in a person's life. Human health refers to the overall well-being of an individual, including physical, mental, and social aspects. A healthy person is not only free from diseases but also feels good physically, mentally, and socially.

Health is the foundation of a productive life and the cornerstone of human development. In the modern world, maintaining good health is both a personal responsibility and a public concern, as various lifestyle choices, environmental factors and social conditions directly impact our well-being. By making informed choices and supporting health-focused initiatives we can ensure a better quality of life for present and future generation.

- Tamanna Hasmi

The future of space travel:

From dream to reality.

For centuries, looking at the night sky has filled humans with wonder. What lies beyond the stars? Can we ever visit other planets?

Today, these questions are no longer just dreams - they are turning into reality.

In the past, only government space agencies like NASA or ISRO could send rockets into space. But now, private companies such as SpaceX and Blue Origin are entering the race. Their goal is not just to explore space but to make space travel affordable.

One of the most exciting missions is the plan to colonize Mars. Scientists believe that in the next few decades, humans might build permanent bases there. If successful, it could be the first step in making humans a multi-planet species. But there are challenges. Space travel is extremely costly, and the human body is not designed to survive long-term in zero gravity.



Still the possibilities are endless. Imagine students like us studying astronomy not only through books but from a classroom orbiting Earth. Imagine family vacations where instead of beaches, people watch sunrises from the moon.

The future of space travel is not just about rockets, it about pushing the limits of human imagination and survival.

~ Nargis Parveen Ahmed



Success is Painful

If you truly want to succeed, you must stop listening to your feelings and push through the painful times. At first everyone has a lot of motivation and does a lot, but then, halfway through, most people give up because they no longer feel like it. Don't be one of those who act according to their desires; be one of those who do things even when they don't feel like it. This way, you will achieve real success. If you only pay attention to your mood and feelings, you will start a hundred things but finish none. However, if you persevere with one thing even on tough days, you will have something perfect. And that's how success is achieved, with a vision, a bit of motivation, but fundamentally, it consists of discipline and perseverance.

- Imamul Khan





The importance of Environmental Conservation

As we celebrate our planet's beauty and resource, it's essential to remember our role in protecting it. Environmental Conservation is crucial for our survival and the well-being of future generation.

1. Why Conserve?

- Preserve biodiversity - Protect ecosystem and species.
- Combat climate change - Reduce green-house gas emissions.
- Ensure clean air and water - Preserve natural resource.

2. What can we do?

- Reduce, reuse, recycle - Minimize waste.
- Use sustainable Resource - Choose ecofriendly products.
- Plant trees - Support reforestation efforts.

Conclusion - Every small action counts. Let's work together to protect our planet and ensure sustainable future.

- Esmira Khatun

Animals fun Fact!

Impalas are fantastic jumpers.
They can leap as far as 33 feet (10 meters)

and as high as 10

feet (3 meters),

according to National Geographic.

If impalas are running from predators, they are known to jump

over obstacles in their way,

such as large bushes or stumps, instead of going around them.

Voices of Zoology

Every animal is a living
Page in nature's book.

The stripes of a tiger are
Poems written in courage.

An ant's strength whispers:
Size is never the measure of power.
In the flight of birds, we
Read the freedom of the sky.

The dolphin's song reminds us -
Wisdom can live in silence too.
To love zoology is to listen,
to the thousand voices of life.

Each one carrying the story
of survival.

- Nisa Basumatary

Animal Behaviour

Animal behaviour is a scientific study of the way animals interact with their surroundings, fellow members, and other species. It covers a wide range of activities such as foraging, reproduction, parental care, migration, communication, and defense. These behaviours can be innate (instinctive), like a spider spinning its web, or learned, like birds adapting to new feeding techniques. Studying animal behaviour helps zoologists understand how species survive, adapt, and evolve. For example, honeybees perform the "waggle dance" to share food locations, while birds migrate long distances to avoid extreme climates, predators use camouflage to hunt, and prey animals develop alarm calls to warn others. In modern science, animal behaviour also provides insight into the effects of climate change, habitat destruction. Thus it serves as a vital bridge between physiology, ecology, and evolution highlighting the importance of conserving biodiversity.

~ Rumia Begum

A Future with Zoology

Zoology - the study of animals, holds great for the future. It helps us conserve biodiversity, fight climate change and understand diseases. With modern tools like DNA barcoding and AI, it offers careers in conservation, research and environmental protection.

For students who love animals, a future in zoology promises not only a meaningful career but also a chance to make a real difference in preserving our planet. By choosing zoology, one can combine passion with purpose.

~ Jubili Muchahary

Living Birds

Birds are one of the most fascinating creatures on Earth. They are warm-blooded animals with feathers, wings, and beaks. Unlike most animals, they lay eggs with hard shells. Birds can be found in almost every part of the world, from high mountains to deep forests and even in deserts.

One of the most special features of birds is their ability to fly. Their light bones, strong muscles, and wings help them move through the air. However, not all birds can fly - such as ostriches, penguins, and emus. Still, they have adapted to their environments in other unique ways.

Birds are very important for nature. They help in pollination, seed dispersal, and controlling insects. Some birds, like crows and vultures, act as natural cleaners by eating dead animals. People also admire birds for their beauty, songs, and colourful feathers.

Climate Change: A Global Challenge

Climate change is one of the most pressing issues facing humanity today. Climate change means long-term changes in the Earth's weather and temperature. It mostly happens because of human activities like burning coal, oil and gas, cutting down trees and pollution. These release gases that trap heat in the atmosphere, making the planet warmer.

Causes :

1. Burning fossil fuels for energy.
2. Deforestation (cutting trees).
3. Pollution from industries and farming.

Effects :

1. Hotter weather and heatwaves.
2. Melting ice and rising sea levels.
3. Animals and plants losing their homes.
4. Health problems for people.

Solutions :

1. Plant more trees.
2. Use renewable energy like solar and wind.

3. Reduce waste and recycle.

4. Governments making strict rules to control pollution.

Conclusion :

Climate change is a big problem for everyone. But if we all act together by saving energy, planting trees, and reducing pollution, we can protect our Earth for the future.

- Lamisha Tajmin

BENEATH THE SEA



Under the sea

So deep and blue.

Swim the fish and

A star fish, too

And in deep down.

Jelly like, jellyfish

Shines bright in dark.

It opens and, It closes.

Animals, moving freely

Searching for meals.

Revealing the Beautiful

Side, of the sea.



Nature's Beauty :

A symphony of wonder

Sunsets paint the sky with hues of gold, orange and pink, a breathtaking canvas of colour and light.

Majestic mountains stand tall, their peaks touching the clouds, a testament to nature's grandeur and power.

Rivers flow gently, their soft murmurs soothing the soul, as they carve paths through valley's and canyons.

Forests whisper secrets their trees standing like sentinels, guardians of ancient wisdom and mystery.

Ocean waves crash against the shore, a symphony of power and grace, reminding us of nature's awe-inspiring beauty.

Stars twinkle like diamonds in the night sky, a celestial showcase of wonder and magic.

Waterfalls cascade down rocky slopes, a misty veil of beauty, refreshing and rejuvenating all who behold them.

- Anjana Narzary.

*Thank
You*