

Question 1: Introduce yourself in detail. What are the goals in your life? How do you set your goals in your life? How do you differentiate between right and wrong? What have been your salient achievements and shortcomings in your life? Observe and them.

Introduction and Goals

My name is S Dhruv, and I am currently studying Electronics and Communication Engineering (ECE). From a young age, I have been interested in technology and problem-solving, which led me to pursue this field. I am eager to expand my knowledge and develop skills that will help me contribute meaningfully to the industry.

My career goal is to become an engineer and eventually work in higher roles within a company. I aspire to take on leadership positions where I can apply my technical expertise while also managing projects and teams efficiently. To achieve this, I focus on continuous learning, hands-on experience, and improving both my technical and managerial skills.

Setting Goals in Life

I believe in setting goals by breaking them down into smaller, more manageable tasks. This approach helps me stay focused and makes large objectives feel achievable. By setting clear milestones, I can track my progress effectively and stay motivated throughout the journey. This method also allows me to make necessary adjustments when challenges arise, ensuring steady progress toward my ultimate ambitions.

Differentiating Between Right and Wrong

I determine right and wrong by evaluating the pros and cons of a situation. By considering the benefits and drawbacks of different choices, I can make informed decisions that align with my values and long-term objectives. Ethical considerations, logical reasoning, and the impact of my decisions on myself and others also play a crucial role in my decision-making process.

Achievements and Shortcomings

One of my key shortcomings is procrastination and time management. At times, I struggle to prioritize tasks efficiently, leading to last-minute rushes and unnecessary stress. However, I am actively working on improving this by using time-management tools, setting deadlines, and maintaining a structured schedule.

While I may not have a significant achievement to highlight at the moment, I take pride in my ability to learn new things and adapt to challenges. Successfully working on academic projects, such as my work on gesture-controlled smart home systems and ALU-based projects, has been a positive step in my learning journey. I aim to build upon these experiences and achieve greater milestones in the future.

In conclusion, self-reflection and continuous improvement are essential for personal growth. By addressing my weaknesses and setting clear goals, I am working towards becoming a well-rounded professional capable of making meaningful contributions to the engineering field.

Question 2 A: Now-a-days, there is a lot of talk about many techno-genie maladies (problems caused by technology and human activities) such as energy and material resource depletion, environmental pollution, global warming, ozone depletion, deforestation, soil degradation, etc. : all these man-made problems seem to be threatening the survival of life on earth: What is the root cause of these maladies and what is the way out in your opinion?

Techno-genie Maladies: Causes and Solutions

The increasing depletion of resources, environmental pollution, global warming, and other ecological issues are primarily caused by a lack of sustainability.

Overconsumption of natural resources, excessive industrialization, and negligence toward environmental conservation have significantly contributed to these problems. Human activities, driven by short-term benefits rather than long-term sustainability, have led to an imbalance in nature, putting future generations at risk.

Root Causes:

1. **Lack of Sustainable Practices:** Many industries and individuals focus on immediate profit or convenience rather than long-term sustainability, leading to harmful practices like deforestation and overexploitation of natural resources.
2. **Overconsumption:** Excessive consumption of fossil fuels, water, and other natural resources without replenishment has led to resource depletion and climate change.
3. **Industrial Pollution:** Factories and industries release pollutants into the air, water, and soil, contributing to severe health and environmental problems.
4. **Deforestation and Urbanization:** Large-scale deforestation for agriculture and urban expansion reduces biodiversity, disturbs ecosystems, and increases carbon emissions.
5. **Lack of Awareness and Policy Implementation:** Many people and governments do not take strict actions to implement sustainable policies due to economic and political interests.

Solutions:

1. **Promoting Responsible Consumption:** Individuals and industries should focus on using resources efficiently and reducing waste.

2. **Adopting Renewable Energy Sources:** Transitioning from fossil fuels to solar, wind, and hydropower can significantly reduce pollution and carbon emissions.
3. **Implementing Strict Environmental Regulations:** Governments must enforce policies that limit pollution, regulate deforestation, and encourage sustainability.
4. **Encouraging Eco-friendly Technologies:** Investment in green technologies, such as electric vehicles and sustainable agriculture, can help reduce the environmental impact.
5. **Spreading Awareness:** Educating individuals and businesses about the importance of sustainability can drive collective action toward a greener future.
6. **Sustainable Urban Planning:** Cities should be planned with a focus on green spaces, efficient public transportation, and eco-friendly infrastructure to minimize their environmental footprint.

By making conscious efforts toward sustainability, we can ensure a healthier and more balanced environment for the future. A collective approach involving individuals, industries, and governments is necessary to address these issues and create long-term positive changes.

Question 2 B: On the other hand, there is rapidly growing danger because of nuclear proliferation, arms race, terrorism, breakdown of relationships, generation gap, depression & suicidal attempts etc. - what do you think, is the root cause of these threats to human happiness and peace - what could be the way out in your opinion?

Root Causes:

1. **Lack of Ethical and Moral Values:** The absence of a strong ethical foundation in society leads to conflicts, violence, and disregard for human well-being.
2. **Uncontrolled Desire for Power:** The arms race, nuclear proliferation, and terrorism stem from a desire for dominance rather than coexistence.
3. **Breakdown of Relationships:** A lack of understanding, communication gaps, and prioritizing material gains over emotional bonds weaken human connections.
4. **Generation Gap:** Differences in values, perspectives, and communication styles between generations lead to misunderstandings and conflicts.
5. **Mental Health Issues:** Rising stress, competition, and unrealistic expectations contribute to depression and suicidal tendencies.
6. **Lack of Global Cooperation:** Nations and societies often prioritize their own interests instead of working together for a peaceful world.

Solutions:

1. **Promoting Human Values:** Education systems should emphasize ethics, empathy, and cooperation over mere academic and professional success.
2. **Encouraging Dialogue and Understanding:** Open conversations can bridge the generation gap, resolve conflicts, and improve relationships.
3. **Focus on Mental Well-being:** Creating awareness about mental health, reducing societal pressures, and providing emotional support can help people handle stress better.
4. **Global Disarmament Efforts:** Countries should collaborate on peace treaties, nuclear disarmament, and arms control to reduce the risk of large-scale destruction.
5. **Encouraging Community and Social Support:** A strong sense of belonging and social support can reduce feelings of loneliness and prevent extreme actions like terrorism or suicide.
6. **Sustainable and Equitable Growth:** Addressing economic disparity and ensuring fair opportunities for all can reduce conflicts arising from social and financial inequalities.

By addressing these root causes, societies can work towards achieving lasting happiness and peace.

Question 3 A: Observe that each of us has the faculty of “Natural Acceptance”, based on which one can verify what is right or not right for him. (“Natural Acceptance” is the innate ability to unconditionally accept oneself, others, and the world around you without judgment or resistance and many a time it is also clouded by our strong per conditioning and sensory attractions). Now, explore the following:

- (i) **What is Naturally Acceptable to you in relationship the feeling of respect or disrespect for yourself and for others?**
- (ii) **(ii) What is Naturally Acceptable to you - to nurture or to exploit others? Is your living in accordance with your natural acceptance or different from it?**

Exploring Natural Acceptance in My Relationships and Behavior

Natural Acceptance helps me instinctively understand what feels right. However, sometimes my thoughts get influenced by society and personal biases.

- (i) **What is Naturally Acceptable to Me in a Relationship – Respect or Disrespect?**

For me, respect is naturally acceptable, while disrespect is not. • **Self-Respect:** When I respect myself, I feel more confident and make ethical choices. • **Respect for Others:** I believe every person deserves kindness and dignity. Mutual respect strengthens my relationships. • **Disrespect Creates Problems:** Whenever I have shown or received disrespect, it has led to conflicts and negativity

(ii) What is Naturally Acceptable to Me – Nurturing or Exploiting Others?

I believe nurturing others is the right thing to do, while exploiting others is not. • **Helping Others Feels Right:** When I support and encourage others, it makes me feel happy and fulfilled. • **Exploitation Causes Harm:** If I use others for my own benefit, it leads to guilt and broken trust. • **Nurturing Builds Relationships:** Whenever I choose to help and guide others, my relationships become stronger and more meaningful.

Am I Living in Accordance with My Natural Acceptance?

I try my best to follow my natural acceptance, but at times, external influences and personal challenges affect my choices. I reflect on my actions and try to correct myself whenever needed.

Question 3 B: Natural acceptance or different from it? Out of the three basic requirements for of your aspirations viz., right understanding, relationship and physical facilities -- observe how the problems in your family are related to each. Also observe how much time and effort you devote for each in your daily routine.

Defining Happiness and the Path to True Happiness

Happiness is a state of mind that brings a sense of fulfillment, contentment, and inner peace. For me, true happiness is best defined as peace of mind and self-satisfaction. It is not just about achieving material success or external recognition but about feeling genuinely content with oneself and one's journey in life.

Factors Leading to True Happiness:

1. **Peace of Mind:** Being free from unnecessary stress and anxiety allows an individual to remain calm and happy. Maintaining a positive mindset, handling challenges with resilience, and practicing mindfulness contribute to mental well-being.
2. **Self-Satisfaction:** Personal fulfillment comes from setting goals, working towards them, and feeling proud of one's achievements. When we put in sincere efforts and see progress, it brings a deep sense of joy.
3. **Strong Relationships:** Meaningful connections with family, friends, and loved ones create emotional support, which plays a crucial role in long-term happiness.
4. **Personal Growth:** Learning new skills, improving oneself, and evolving intellectually and emotionally contribute to a feeling of accomplishment and satisfaction.
5. **Helping Others:** Acts of kindness, generosity, and contributing to society not only benefit others but also bring inner happiness and a sense of purpose.
6. **Balanced Lifestyle:** Maintaining a healthy balance between work, personal life, and leisure activities ensures that one does not become overwhelmed by stress or burnout.

7. **Gratitude and Contentment:** Appreciating what we have rather than always seeking more can significantly enhance our happiness levels.

Factors Leading to Unhappiness and Dissatisfaction:

1. **Stress:** Constant pressure from work, studies, and personal expectations can lead to anxiety and unhappiness. Proper time management and relaxation techniques can help reduce stress.
2. **Over-expectation:** Setting unrealistic goals or expecting too much from oneself or others often leads to disappointment. Managing expectations and focusing on achievable goals can improve satisfaction in life.
3. **Lack of Purpose:** Not having a clear goal or direction in life can lead to feelings of dissatisfaction. Setting meaningful personal and professional goals provides motivation and a sense of fulfillment.
4. **Comparison with Others:** Social comparisons, especially in the age of social media, can make people feel inadequate. Focusing on self-improvement rather than external validation can lead to greater contentment.
5. **Unfulfilled Expectations:** When reality does not align with what we anticipate, it can cause frustration and unhappiness. Adapting to changes and accepting setbacks as learning experiences can improve resilience.

By addressing these factors and focusing on self-growth, meaningful relationships, and realistic expectations, one can cultivate greater happiness and fulfillment in life.

I believe that every physical facility I use goes through different stages over time—it begins as essential and beneficial, then may become unnecessary but still enjoyable, and eventually turns into something I no longer need or even find intolerable. In contrast, my feelings do not change in this way; they are either naturally acceptable, bringing me peace and fulfillment, or not acceptable at all, causing discomfort and restlessness. When my feelings align with my natural acceptance, I want to hold onto them, whereas I strive to overcome those that disrupt my inner harmony.

• Necessary and Tasteful

Eating a nutritious meal: It keeps me healthy and energized. o Wearing comfortable clothing: It ensures ease while boosting my confidence. o Using my phone for learning and communication: It enhances productivity and keeps me informed.

• Unnecessary but Still Tasteful

Watching movies or engaging in entertainment: It provides relaxation and enjoyment, though not essential. o Eating junk food occasionally: It offers momentary pleasure but does not contribute to my well-being.

• Unnecessary and Tasteless

Scrolling mindlessly on social media: It often consumes time without adding real value. o Hoarding items I no longer use: It creates clutter without any meaningful benefit.

- Intolerable

Using broken or outdated appliances: It causes frustration and inconvenience, making them difficult to continue using. When it comes to emotions, I find that naturally acceptable feelings—such as love, respect, kindness, and gratitude—align with my inner sense of peace and happiness.

On the other hand, negative emotions like anger, jealousy, and fear are not acceptable to me, as they disturb my mental and emotional balance. Reflecting on my daily life, I realize that I mostly live in accordance with my natural acceptance, especially when focusing on positive emotions and meaningful activities. However, at times, external influences or habits make me deviate from this path. Becoming more aware of these tendencies helps me make better decisions, allowing me to use physical resources wisely and nurture positive emotions for a more fulfilling life.

Question 5 A: Write any one narration in the form of a story, poem, and skit or essay to clarify a salient Human Value to the children.

The Honest Woodcutter

Once upon a time, in a small village near a dense forest, there lived a poor woodcutter named **Robin**. Every day, he would go to the forest, chop wood, and sell it in the market to earn a living. He was hardworking and honest.

One day, while cutting wood near a river, his axe slipped from his hands and fell into the deep water. He tried searching for it but couldn't find it. Saddened, he sat by the river, wondering how he would continue his work.

Suddenly, the river goddess appeared and asked, “Why do you look so sad, dear woodcutter?”

Robin explained his problem. The goddess smiled and dived into the river. She came back with a golden axe and asked, “Is this yours?”

Robin looked at it and shook his head. “No, this is not my axe.”

The goddess dived in again and returned with a silver axe. “Is this yours?” she asked.

Again, Robin refused. “No, this is not my axe either.”

Finally, the goddess brought back an old iron axe. Robin’s face lit up with joy. “Yes! This is my axe!” he exclaimed.

Pleased with his honesty, the goddess rewarded him with all three axes. Robin thanked her and went back to his village, where he continued to live a happy and honest life.

Moral of the Story: Honesty and integrity always lead to rewards in life, even if they are not immediate.

Question 5 B: Recollect and narrate an incident in your life where you were able to exhibit wilful adherence to values in a difficult situation.

The Lost Wallet – A Lesson in Honesty

When I was around 10 years old, I was walking back home from school when I noticed something lying on the ground. As I got closer, I realized it was a wallet. Curious, I picked it up and opened it. Inside, there was some cash and an ID card.

For a moment, I was tempted to keep the money. After all, no one had seen me pick it up, and I could have used it to buy something I wanted. But deep down, I knew it wasn't the right thing to do. My parents had always taught me that honesty is the most important value.

Instead of taking the money, I decided to find the owner. I walked to a nearby shop and showed the wallet to the shopkeeper. He looked at the ID card and recognized the person as a regular customer. He assured me that he would return the wallet to its rightful owner.

A few days later, the man who had lost the wallet came to my house. He had asked around and found out that I was the one who returned it. He thanked me with a big smile and even offered me a small reward, but I politely declined.

That day, I felt a deep sense of pride and happiness. I realized that doing the right thing, even when no one is watching, is what truly matters.

Moral: Honesty and integrity build character and earn respect from others.

Question 6: List down some common units (things) of Nature which you come across in your daily life and classify them in the four orders of Nature.

The four orders of nature in universal human values are:

Material order: Includes soil, water, air, metals, and other compounds

Plant/bio order: Includes plants, trees, flowers, fruits, and other vegetation

Animal order: Includes animals and birds

Human order: Includes human beings

Now, Analyze and explain the aspect of mutual fulfillment of each unit with other orders. Classification of Common Units of Nature into Four Orders

Order of Nature	Examples in Daily Life
Material Order (Soil, water, air, metals, etc.)	Air, water, sunlight, soil, rocks, metals, plastic
Plant/Bio Order (Plants, trees, flowers, fruits, etc.)	Grass, trees, flowers, fruits, vegetables, crops
Animal Order (Animals, birds, etc.)	Cats, dogs, cows, birds, insects, fish

Order of Nature
Human Order (Human beings)

Examples in Daily Life
Friends, family, teachers, colleagues

Mutual Fulfillment Among the Four Orders

1. **Material Order & Plant/Bio Order**
 - Soil, water, and air provide essential nutrients for plants to grow.
 - Sunlight enables photosynthesis, helping plants produce oxygen.
 2. **Plant/Bio Order & Animal Order**
 - Plants provide food and shelter for animals.
 - Animals help in pollination, seed dispersal, and maintain ecological balance.
 3. **Animal Order & Human Order**
 - Animals provide companionship, food, and labor to humans.
 - Humans care for animals, provide shelter, and help in their conservation.
 4. **Human Order & Material Order**
 - Humans use natural resources (water, metals, air) for survival and development.
 - Responsible human actions (like conservation and sustainability) help maintain the material order.
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Conclusion

Every order of nature depends on the others for survival and balance. When one order is disrupted (e.g., deforestation, pollution), it affects all other orders, leading to environmental problems. Mutual respect and responsible actions are necessary to maintain harmony in nature.

Question 7: Identify any two important problems being faced by society today and analyze the root cause of these problems. Can these be solved on the basis of natural acceptance of human values? If so, how should one proceed in this direction from the present situation?

Two Important Problems in Society and Their Root Causes

1. Environmental Degradation (Pollution, Deforestation, Climate Change)

- **Root Cause:**
 - Overexploitation of natural resources for profit and convenience.
 - Lack of awareness and responsibility towards sustainable living.
 - Industrialization and consumerism leading to excessive waste and pollution.
- **Solution Through Natural Acceptance of Human Values:**
 - Promoting **responsible consumption** and **sustainability** in daily life.
 - Developing a mindset of **co-existence with nature** rather than exploiting it.
 - Encouraging **eco-friendly practices** like afforestation, recycling, and renewable energy usage.

- Government policies aligned with ethical and sustainable development.
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2. Increasing Mental Health Issues (Stress, Anxiety, Depression, Social Isolation)

- **Root Cause:**
 - Competitive lifestyle leading to **over-expectations** and **constant pressure**.
 - Lack of meaningful relationships and emotional support.
 - Overuse of technology and **disconnection from real-life interactions**.
 - Materialistic mindset, equating happiness with wealth rather than inner peace.
 - **Solution Through Natural Acceptance of Human Values:**
 - Encouraging **balance** between work and personal life.
 - Practicing **self-awareness, self-satisfaction, and gratitude** over materialistic goals.
 - Promoting **healthy social interactions** and family bonding.
 - Reducing dependency on digital distractions and focusing on **mental well-being activities** like meditation, exercise, and creative hobbies.
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Proceeding from the Present Situation

1. **Education and Awareness** – Teaching human values from an early age to instill a responsible mindset.
2. **Personal Transformation** – Every individual practicing ethical behavior in daily life.
3. **Collective Action** – Communities working together to create sustainable solutions.
4. **Policy Change** – Governments enforcing laws that align with human and environmental well-being.

Conclusion:

Yes, these problems can be solved by adopting **natural acceptance of human values** such as sustainability, empathy, and mindfulness. The change must start at an individual level and grow into a collective effort for a healthier society and planet.

Question 8: Suggest ways in which you can use your knowledge of Science and Technology for moving towards a universal human order.

Using Science and Technology for a Universal Human Order

Science and technology play a crucial role in shaping society. When used responsibly, they can help achieve harmony, sustainability, and well-being for all. Here are some ways to use scientific knowledge to move towards a **Universal Human Order**:

1. Sustainable Energy Solutions

- Promote the use of **renewable energy** sources like solar, wind, and hydroelectric power to reduce dependence on fossil fuels.

- Develop **energy-efficient technologies** to minimize wastage and pollution.
- Encourage smart grids and battery storage systems for efficient energy distribution.

2. Eco-Friendly Innovations

- Implement **biodegradable materials** and recycling technologies to reduce plastic waste.
- Develop sustainable agricultural techniques like **hydroponics** and **organic farming** to ensure food security.
- Use water conservation technologies such as **rainwater harvesting** and **wastewater recycling**.

3. Health and Well-Being Technologies

- Use AI and IoT for **early disease detection and telemedicine**, ensuring healthcare access for all.
- Develop **affordable medical devices** for rural and underprivileged communities.
- Encourage mental health awareness through AI-based **chatbots and wellness applications**.

4. Digital Inclusion and Education

- Use **online learning platforms and AI-powered educational tools** to make quality education accessible to everyone.
- Promote **STEM education** for innovation-driven development.
- Develop **assistive technologies** for differently-abled individuals to enhance inclusivity.

5. Ethical AI and Responsible Innovation

- Ensure that AI, robotics, and automation are developed **ethically** to create employment rather than replace human workers.
- Implement **privacy-focused technologies** to protect personal data.
- Use **AI and data analytics** to solve societal issues like traffic congestion, waste management, and disaster response.

6. Smart and Sustainable Cities

- Implement **IoT-based smart city solutions** for efficient traffic, waste management, and energy use.
- Develop **green architecture** with eco-friendly materials and designs.
- Encourage **public transport and electric vehicles** to reduce carbon footprints.

Conclusion

By integrating science and technology with human values, we can **ensure development that is ethical, sustainable, and beneficial to all**. The goal is not just technological advancement but creating a world where innovation leads to well-being, equality, and harmony.