



12v22 A1003

DEPARTMENT OF
INDUSTRIAL ENGINEERING AND MANAGEMENT

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|-------------------------------|--------------|---------------|---------|
| Date | 22 June 2024 | Maximum Marks | 25 |
| Course Code | HS248AT | Duration | 60 Mins |
| Sem | IV | CIE – I | |
| Universal Human Values | | | |

| QNo. | Questions | M | BT | CO |
|------|---|----|----|-----|
| 1. | Define self-exploration. What is the content of self – exploration? | 5M | L3 | CO1 |
| 2. | “Right understanding + Relationship = Mutual fulfilment; Right understanding + Physical facilities = Mutual prosperity.” Illustrate the above with two examples for each. | 8M | L3 | CO3 |
| 3. | How can we ensure harmony in self ('I')? | 4M | L1 | CO4 |
| 4. | How do prosperity and wealth differ? What is more acceptable to us and why? | 8M | L2 | CO2 |

BT-Blooms Taxonomy, CO-Course Outcomes, M-Marks

| Marks Distribution | Particulars | | CO1 | CO2 | CO3 | CO4 | L1 | L2 | L3 | L4 | L5 | L6 |
|--------------------|-------------|-----------|-----|-----|-----|-----|----|----|----|----|----|----|
| | Test | Max Marks | 5 | 8 | 8 | 4 | 4 | 8 | 13 | - | - | - |



Academic year 2023-2024 (EVEN Sem)

DEPARTMENT OF
INDUSTRIAL ENGINEERING & MANAGEMENT

| | | | |
|-------------|----------------------------|---------------|-------------|
| Date | 24 th July 2024 | Maximum Marks | 5 + 25 |
| Course Code | HS248AT | Duration | 10 + 60 Min |
| Sem | IV | CIE – II | |

UNIVERSAL HUMAN VALUES

Note: Answer all Questions

| Q. No. | PART-A - Quiz | M | BT | CO |
|--------|---|---|----|----|
| 1. | and Respect are considered the foundational values of a relationship. | 1 | 2 | 1 |
| 2. | Visualizing a universal harmonious order in society includes the idea of an Society and Universal Order from family to world family. | 1 | 2 | 2 |
| 3. | Prosperity and fearlessness (trust) are part of the comprehensive Human Goals in understanding in society. | 1 | 3 | 2 |
| 4. | Comprehensive Human Goals include all the following except: <ul style="list-style-type: none"> • A) Resolution • B) Prosperity • C) Fearlessness (trust) • D) Isolation | 1 | 2 | 2 |
| 5. | Gratitude is considered a _____ value in relationships. <ul style="list-style-type: none"> • A) Cultural • B) Financial • C) Universal • D) Personal | 1 | 2 | 2 |

| QNo. | PART-B - Test | M | BT | CO |
|------|---|---|----|----|
| 1. | What is the difference between respect and disrespect? Which of the two is naturally acceptable to you? | 5 | 2 | 1 |
| 2. | How does affection lead to harmony in the family? | 5 | 2 | 1 |
| 3. | What is meaning of justice in human relationships? How does it follow from family to world family? | 5 | 3 | 2 |
| 4. | What do you understand by trust? Differentiate between intention and competence with examples. | 5 | 2 | 3 |
| 5. | Explain the comprehensive human goal. How does fearlessness follow from right understanding and prosperity? | 5 | 3 | 2 |

BT-Blooms Taxonomy, CO-Course Outcomes, M-Marks

| Marks Distribution | Particulars | | CO1 | CO2 | CO3 | CO4 | L1 | L2 | L3 | L4 | L5 | L6 |
|--------------------|-------------|-----------|-----|-----|-----|-----|----|----|----|----|----|----|
| | Test/Quiz | Max Marks | 10 | 10 | 05 | -- | 15 | 10 | | | | |



Academic year 2023-2024 (Even Semester)

| | | | |
|-------------|----------------|--------------------------------|--------|
| Date | 28 August 2024 | Maximum Marks | 25 |
| Course Code | HS248AT | Duration | 60 Min |
| Sem | IV Semester | Improvement CIE- Quiz and Test | |

UNIVERSAL HUMAN VALUES

PART - A

(5 Marks)

| # | | Ma | CO | BT |
|---|---|----|-----|----|
| 1 | What is the fundamental principle of harmony in nature and existence? a) Competition b) Coexistence c) Dominance d) Isolation | 1 | CO3 | L1 |
| 2 | What is the role of human beings in maintaining harmony in nature? a) Exploiting natural resources b) Preserving and nurturing nature c) Dominating other species d) Isolating from the environment | 1 | CO2 | L2 |
| 3 | Which of the following best describes the Physical Order? a) Includes only human-made objects b) Comprises natural elements like soil, water, air, and minerals c) Refers exclusively to living beings d) Focuses on mental and spiritual aspects | 1 | CO2 | L1 |
| 4 | What distinguishes the Human Order from the other three orders? a) Physical strength b) Intelligence and moral values c) Ability to photosynthesize d) Instinctual behaviour only | 1 | CO4 | L1 |
| 5 | In the context of coexistence, what is the meaning of 'prosperity'? a) Material wealth accumulation b) Holistic well-being and happiness c) Physical strength and power d) Technological superiority | 1 | CO3 | L1 |

| SL No. | Part- B Questions | M | CO | BT |
|--------|--|---|-----|----|
| 1 | Existence is co-existence of mutually interacting units in all-pervasive space. Explain | 5 | CO3 | L2 |
| 2 | What is the natural characteristics (swabhava) of human order? Explain | 5 | CO2 | L1 |
| 3 | What are the four orders of nature? Briefly explain them | 5 | CO4 | L2 |
| 4 | How can we say that 'nature is Self-Organized and in space Self-Organization Is Available.' | 5 | CO4 | L2 |
| 5 | Explain the difference and similarities between Pranic order and animal order. What is the relation between the two orders? | 5 | CO2 | L1 |

BT-Blooms Taxonomy, CO-Course Outcomes, M-Marks

| Marks Distribution | Particulars | | CO1 | CO2 | CO3 | CO4 | L1 | L2 | L3 | L4 | L5 | L6 |
|--------------------|-------------|-----------|-----|-----|-----|-----|----|----|----|----|----|----|
| | Test | Max Marks | XX | 12 | 07 | 11 | 14 | 16 | XX | XX | XX | XX |

**Academic year 2023-2024 (Even Semester)**

| | | | |
|-------------|----------------|----------------|--------|
| Date | 28 August 2024 | Maximum Marks | 25 |
| Course Code | HS248AT | Duration | 60 Min |
| Sem | IV Semester | Quiz-3 & CIE-3 | |

UNIVERSAL HUMAN VALUES**PART – A****(5 Marks)****Scheme and Solution**

| # | | Ma | CO | BT |
|---|---|----|-----|----|
| 1 | b) Coexistence | 1 | CO3 | L1 |
| 2 | b) Preserving and nurturing nature | 1 | CO2 | L2 |
| 3 | b) Comprises natural elements like soil, water, air, and minerals | 1 | CO2 | L1 |
| 4 | b) Intelligence and moral values | 1 | CO4 | L1 |
| 5 | b) Holistic well-being and happiness | 1 | CO3 | L1 |

| Sl. No. | Part- B Questions | M | CO | BT |
|---------|---|---|-----|----|
| 1 | <p>Existence is fundamentally the coexistence of various units that interact with one another within the infinite expanse of space. Each unit—whether it is a physical entity like a rock, a biological entity like a plant, or a conscious being like a human—is not isolated; rather, it exists in relation to and interacts with other units.</p> <ol style="list-style-type: none">Coexistence: All entities or units, be they material or living, do not exist in isolation. They inherently exist together, forming a cohesive whole. This concept highlights the interconnectedness of all elements in the universe.Mutual Interaction: Units in existence are in constant interaction with one another. These interactions are governed by natural laws that ensure balance and harmony within the system. For example, plants (bio order) interact with the physical environment (soil, water) and animals, facilitating the flow of energy and matter.All-Pervasive Space: Space is not merely an empty void but is the foundation in which all units exist and interact. It is all-pervasive, meaning it is present everywhere, allowing these interactions to occur seamlessly.Holistic Perspective: The idea of coexistence emphasizes a holistic view of the universe, where the well-being of each unit is tied to the well-being of the whole. Disruptions in this balance can lead to disharmony, affecting the entire system.Sustainability: Recognizing existence as coexistence leads to an understanding of the need for sustainable living. When humans acknowledge their role as part of this interconnected system, they are more likely to engage in practices that promote balance and harmony, ensuring the well-being of all units. <p>In conclusion, existence is a dynamic process of coexistence where all units, through their interactions within the vast expanse of space, contribute to the overall</p> | 5 | CO3 | L2 |



Academic year 2023-2024 (Even Semester)

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| | harmony of the universe. This perspective encourages us to live in a way that respects and nurtures these connections. | | | |
| 2 | <p>The human order is distinct from the other orders of nature—physical, bio, and animal—because of its unique natural characteristics, or swabhava. These characteristics define what it means to be human and guide our actions, behaviors, and interactions with the world around us.</p> <p>Self-Awareness and Consciousness: Humans possess a high level of self-awareness, which allows them to reflect on their thoughts, emotions, and actions. This self-consciousness differentiates humans from other living beings, enabling them to question their existence, purpose, and role in the universe.</p> <p>Desire for Knowledge and Understanding: A fundamental characteristic of humans is the innate desire to seek knowledge and understand the world around them. This quest for understanding goes beyond mere survival; it encompasses curiosity about the natural world, social structures, and even abstract concepts like philosophy and ethics.</p> <p>Ability to Make Rational Decisions: Humans are capable of logical reasoning and rational thought. They can analyze situations, consider various outcomes, and make decisions based on reason rather than mere instinct or impulse. This ability to think critically is central to human swabhava.</p> <p>Aspiration for Justice and Ethics: Humans have an inherent sense of justice and ethics, which guides their interactions with others and their environment. They strive for fairness, equality, and the well-being of all, often going beyond self-interest to consider the larger good. This ethical dimension of human nature is key to fostering harmonious coexistence.</p> <p>Creativity and Innovation: Unlike other orders, humans have the capacity to create, innovate, and transform their environment. This creativity manifests in art, technology, and culture, allowing humans to shape their surroundings in ways that reflect their aspirations and values.</p> <p><i>The natural characteristics (swabhava) of the human order revolve around self-awareness, the pursuit of knowledge, rational decision-making, ethical behavior, and creativity. These qualities set humans apart from other beings and empower them to contribute meaningfully to the harmony and well-being of the world. Understanding and embracing these characteristics is essential for leading a fulfilling and responsible life, in alignment with the broader existence.</i></p> | 5 | CO2 | L1 |
| 3 | <p>The concept of the four orders of nature provides a framework for understanding the natural world as an interconnected system composed of distinct yet interdependent categories. These orders are:</p> <p>1. Physical Order (Prithvi or Bhautik Avastha): The physical order comprises all non-living elements of nature, such as soil, water, air, minerals, and other inanimate objects. This order forms the foundational base for all other forms of life. It provides essential resources like air, water, and minerals, which are necessary for the survival of living beings. The physical order follows natural laws like gravitation, thermodynamics, and chemical reactions. These elements are stable and do not possess the ability to grow or reproduce.</p> | 5 | CO4 | L2 |



Academic year 2023-2024 (Even Semester)

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| | <p>2. Bio Order (Jeevan or Pranic Avastha): The bio order includes all living but non-conscious entities, such as plants, trees, and other forms of vegetation. This order is responsible for sustaining life by producing oxygen, absorbing carbon dioxide, and providing food and shelter to animals and humans. The bio order is characterized by growth, reproduction, and the ability to interact with the environment through processes like photosynthesis. However, it does not have self-awareness.</p> <p>3. Animal Order (Jantu or Chetan Avastha): The animal order includes all conscious living beings, such as animals, birds, insects, and other creatures that possess sensory abilities. Animals play a crucial role in maintaining ecological balance by being part of the food chain, aiding in pollination, seed dispersal, and other natural processes. The animal order is characterized by instincts, sensory perception, and consciousness. Animals can experience pleasure, pain, and emotions but are primarily driven by instincts rather than rational thinking.</p> <p>4. Human Order (Manav or Gyaan Avastha): The human order encompasses all human beings, who are conscious, self-aware, and capable of rational thought. Humans have the unique ability to reflect on their actions, make ethical decisions, create culture, and innovate. They also have the responsibility to nurture and maintain harmony among the other orders. The human order is defined by self-awareness, the ability to think rationally, creativity, and the pursuit of knowledge. Humans are capable of understanding and shaping their environment according to values and ethical considerations.</p> <p><i>The four orders of nature—physical, bio, animal, and human—are interconnected and interdependent. Each order plays a vital role in maintaining the balance and harmony of the natural world. Understanding these orders helps us appreciate the complexity of existence and encourages responsible and sustainable living.</i></p> | | |
| 4 | <p>The concept that "nature is self-organized and in space self-organization is available" refers to the inherent ability of natural systems to maintain order, balance, and harmony without external control. This idea can be understood by exploring the self-regulating mechanisms in nature and the role of all-pervasive space in supporting these processes.</p> <p>1. Self-Organization in Nature:</p> <ul style="list-style-type: none">➤ Natural Balance: Nature exhibits self-organization through the balance it maintains among various elements and processes. For example, ecosystems regulate themselves through food chains, nutrient cycles, and population control mechanisms, ensuring that no single species dominates to the detriment of others.➤ Autonomous Processes: Natural processes such as the water cycle, carbon cycle, and growth of plants occur without external intervention. These processes are governed by natural laws, which ensure that they operate in a balanced and sustainable manner. <p>2. Interdependence of Natural Orders:</p> <ul style="list-style-type: none">➤ Mutual Interactions: The four orders of nature—physical, bio, animal, and human—are interdependent, and their interactions contribute to the self-organized nature of the environment. For instance, plants (bio order) | 5 | CO4 L2 |



Academic year 2023-2024 (Even Semester)

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| | <p>rely on soil and water (physical order) for growth, while animals depend on plants for food.</p> <ul style="list-style-type: none">➤ Feedback Mechanisms: Nature employs feedback loops to maintain stability. For example, predator-prey relationships keep animal populations in check, and plants adjust their growth based on the availability of sunlight and nutrients. | | |
| | <p>3. Role of Space in Self-Organization:</p> <ul style="list-style-type: none">➤ All-Pervasive Space: Space, as a concept, is not just a void but an all-encompassing entity that provides the medium for everything to exist and interact. It allows for the free movement of energy, matter, and information, enabling the self-organization of natural systems.➤ Support for Natural Laws: Space provides the context within which natural laws operate. It enables the distribution of elements like air, water, and light, ensuring that they reach all parts of the environment in a balanced manner. <p>4. Resilience and Adaptation:</p> <ul style="list-style-type: none">➤ Adaptive Systems: Nature's self-organized systems are resilient and capable of adapting to changes. For example, ecosystems recover from disturbances such as fires or floods through natural regeneration processes, which are guided by the inherent organization within nature.➤ Ecosystem Stability: The stability of ecosystems over time, despite environmental changes, is a testament to nature's self-organizing capabilities. This stability arises from the dynamic balance maintained by natural processes and the interconnectedness of different orders of nature. <p>5. Human Understanding and Role:</p> <ul style="list-style-type: none">➤ Observation and Learning: By observing nature's self-organization, humans can learn to align their actions with natural processes, promoting sustainability and harmony. Understanding that nature organizes itself allows us to respect and protect these natural systems.➤ Minimizing Disruption: Humans can contribute to the preservation of self-organized systems by minimizing disruptions, such as deforestation, pollution, and over-exploitation of resources, which can destabilize the natural balance. <p><i>Nature's self-organization is evident in the balance, resilience, and interconnectedness of its systems, all of which operate within the all-pervasive space that facilitates these processes. Understanding this self-organizing principle helps us appreciate the natural world and underscores the importance of living in harmony with it, rather than attempting to control or disrupt its inherent order.</i></p> | | |
| 5 | Explain the difference and similarities between Pranic order and animal order. What is the relation between the two orders? | 5 | CO2 L1 |



Academic year 2023-2024 (Even Semester)

| Pranic Order (Bio Order): | Animal Order: | | |
|--|--|--|--|
| <ul style="list-style-type: none">• All forms of plant life, including trees, shrubs, grasses, and other vegetation.• Lacks conscious awareness and sensory perception; operates primarily on biological and chemical processes.• Engages in growth, reproduction, photosynthesis, and other life-sustaining processes without the need for consciousness or decision-making.• Relies on sunlight, water, and nutrients from the soil to produce energy through photosynthesis.• Typically stationary, with movements limited to growth or response to environmental stimuli (e.g., plants growing towards light). | <ul style="list-style-type: none">• All animal species, including humans, mammals, birds, reptiles, fish, insects, and others.• Possesses conscious awareness, sensory perception, and instincts; animals can perceive their environment, feel pain, and respond to stimuli.• Engages in instinct-driven behaviors such as hunting, mating, and social interaction, guided by sensory input and biological needs.• Relies on consuming plants (herbivores) or other animals (carnivores) for energy.• Typically mobile, with the ability to move from one place to another in search of food, shelter, or mates. | | |

Similarities Between Pranic Order and Animal Order:

- Life Processes:** Both orders are living entities that undergo biological processes such as growth, reproduction, and respiration.
- Interdependence:** Both the Pranic and Animal orders are interconnected and interdependent within ecosystems. Plants provide oxygen and food for animals, while animals contribute to plant reproduction through pollination, seed dispersal, and nutrient cycling.
- Ecological Roles:** Both orders play crucial roles in maintaining ecological balance. Plants are primary producers, converting sunlight into energy, while animals often act as consumers, maintaining the balance of populations within ecosystems.

Relation Between Pranic and Animal Orders:

- The Pranic Order can be seen as an overarching concept that encompasses all forms of life, including animals, by emphasizing the life force (Prana) that animates all beings.
- The Animal Order deals with the physical and biological aspects of life, which can be seen as a subset within the broader context of Pranic existence. In this way, the Pranic Order provides a more holistic view that includes the scientific categorization found in the Animal Order.

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RV COLLEGE OF ENGINEERING®
(An Autonomous Institution Affiliated to VTU)
IV Semester B. E. Regular Examinations Sept/Oct – 2024
Common to All branches
UNIVERSAL HUMAN VALUES – I

Time: 02 Hours**Maximum Marks: 50****Instructions to candidates:**

1. Answer all questions from Part A. Part A questions should be answered in first three pages of the answer book only.
2. Answer FIVE full questions from Part B. In Part B question number 2 is compulsory. Answer any one full question from 3 and 4, 5 and 6, 7.

PART-A

M BT CO

| | | | |
|---|-----|--|--------|
| 1 | 1.1 | The word "society" is primarily used in the context of human _____ relationship. a) Human b) Nature c) Both d) None | 01 1 1 |
| | 1.2 | Prosperity deals with a) Right understanding in the self b) Fulfilment in relationship c) Ensuring more than required physical facility d) None | 01 1 1 |
| | 1.3 | _____ is the feeling of responsibility towards body of my relative. a) Care b) Guidance c) Respect d) Affection | 01 1 1 |
| | 1.4 | _____ means harmony within myself. a) Pleasure b) Happiness c) Excitement d) Fearlessness | 01 1 2 |
| | 1.5 | The forth order of nature is _____. a) Bio order b) Animal order c) Human order d) Material order | 01 1 2 |
| | 1.6 | The continuity of a plant species is maintained in nature by _____ method. a) Constitution conformance b) Speed conformance c) Right value / sanskaar d) Breed conformance | 01 1 3 |
| | 1.7 | There is _____ among the four orders of nature. a) Inherent struggle b) No dependency c) Mutual fulfillment d) Opposition | 01 1 4 |

| | | |
|------|---|------------------|
| 1.8 | Our natural acceptance is to live in _____ with nature. a) Harmony b) Struggle for survival c) Opposition d) None of the above | |
| 1.9 | Production and work for physical facilities leads to _____ in family and _____ with nature. a) Prosperity, existence b) Happiness, existence c) Happiness, co-existence d) Prosperity, co-existence | 01 1 2 |
| 1.10 | Ensuring justice in relationship, on the basis of values leads to _____ in society. | 01 1 1 01 1 3 |

PART-B

| | | |
|---|---|----------------------------|
| 2 | a "To be in a state of harmony is happiness". Explain this statement and illustrate with two examples from your day to day life. b What do you mean by values? How do they differ from skills? How are values and skills complementary? | 06 2 1 06 1 1 |
| 3 | a What is the role of value system in family harmony? b "Discrimination leads to acrimony in relationships". Explain. What problems are created when we discriminate? c Define love. Or How can you say that love is the complete value? | 05 2 2 05 2 3 04 1 2 |
| | OR | |
| 4 | a What do you understand by trust? Differentiate between intention and competence with examples. b Realization and understanding are essential for happiness and harmony. Explain. c Describe the concept of an undivided society and the universal order and explain how both these can help to create a world family. | 05 1 3 05 1 2 05 2 3 |
| 5 | a Existence is co-existence of mutually interacting units in all-pervasive space. Explain. b Define harmony in nature and why is it important. Explain with examples. c What do you mean by co-existence? | 05 2 3 05 1 2 04 1 4 |
| | OR | |
| 6 | a What is the natural characteristics (swabhava) of human order? Explain. b What are the four orders of nature? Briefly explain them. c How can we say that 'nature is Self-Organized and in space Self-Organization Is Available.' | 05 1 4 05 2 4 04 2 3 |