

Chap II-1 Cosmic Determinates

1. Overview of LD Book 1

- A. Book 1 covers the Omnipresent Reality and the Universe
- B. Conclusion: A Consciousness Force everywhere inherent in existence acting even when concealed is the creator of the universe
- C. This is the occult secret of Nature
- D. Consciousness has a double aspect – force of Knowledge & Ignorance
- E. In the infinite consciousness, knowledge is everywhere implicit or operative
- F. Here in the world the apparent base or nature of the creative world-energy is an Inconscience, Nescience
- G. The material world arises from this base
- H. Consciousness and knowledge emerge in infinitesimal movements in little quanta
- I. There is a slow evolution
- J. Consciousness grows slowly emerging from the darkness
- K. Bingley learns not to call Darcy stupid
- L. Darcy learns not to be rude, selfish, self-important -- tolerable
- M. Lizzy learns not to confuse beauty for goodness
- N. Mr. Bennet learns not to be irresponsible

2. Book2: Evolution of Knowledge in the Ignorance ²⁹⁵

- A. Book 2 explains how the Infinite consciousness became the Ignorance and how it evolves back to knowledge through Spiritual Evolution.
- B. Book 2 Part 1 explains how the Infinite Consciousness has become the Ignorance for the first time anywhere
- C. This first chapter examines various explanations for what determines reality in the world of ignorance we live in
- D. Why are things the way they are?
- E. Why do things happen the way they do?

3. What are the determinates of reality?

- A. We may apply these questions to P&P – what is the determinate?
 - What brought Darcy and Bingley to Meryton?

- What made Darcy call her tolerable?
- What made Bingley run away to London?
- What made them eventually marry the girls they chose?
- What brought Wickham and Collins to the same place?
- What brought Darcy to town just when Lizzy was introduced to Wickham?
- Why did Wickham unleash a false scandal?
- How did Charlotte end up marrying Collins?
- What took Lizzy to Rosings when Darcy was there?
- What took Lizzy to Pemberley?
- What brought Darcy just at the moment Lizzy read of the elopement?

B. Answers

- Chance? – luck?
- Law of Nature or Karma?
 - A law -- Every rich bachelor must be in search of a wife?
- Human Choice? Free will?
 - Mrs. Bennet's aspiration
- God's will? Grace?

C. Looking at the facts of the story, there is no answer

4. What are the determinates in our lives?

A. We all have moments where we ask these questions

- When I moved from New York to California at age 15, I enrolled in one of 40 high schools in LA. The first day of school I saw a boy who looked identical to a classmate I had known 2500 miles away three months earlier. I knew it could not be the same person had decided to move across country just when I did and join the very same school. But it was! What made it happen?
- After spending two years searching for answers by reading every book I could find on philosophy, psychology, religion and spirituality, a book about Sri Aurobindo fell off the shelf and landed in my lap. Nothing moved it. What made it happen?
- The lives of devotees are full of such examples, but we normally just say 'it is Grace' or it is life response.

B. The same thing is happened in tiny events that occur every day of our lives

- Last month a person I had not seen or thought of for years and did not wish to see or think of suddenly walked in the lobby of a hotel where I was staying

in Bucharest, Romania 5000 miles from here and 500 miles from his home in UK?

- C. In this chapter he tells us the process by which the Infinite Consciousness becomes the universal ignorance and determines what takes place at every moment.
- D. But first he starts by looking at life the way the average person and the educated scientist sees it and presents the explanations that Science and Religion offers for the mystery of Life.

5. Cosmic Paradox: Indeterminate origin and cause of World Creation

- A. To our ordinary mental vision, the origin of the universe seems to be a suprarational mystery – a paradox
- B. Everything seems to have come out of an Infinite nothingness – a Big Bang
- C. This origin seems to have no characteristics or qualities – it is an Infinite without quality
- D. Out of it came the universe -- a 'boundless finite' which seems to go on forever in all directions of space with an infinite past and future in time
- E. In this empty universe so many different things with different qualities appear
- F. We call the Energy that created these things Nature
- G. But what is Nature? It is only a name, not an explanation
- H. What makes things the way they are?
 - The Bennets give birth to five daughters – what makes all very different from one another?

6. Science detects the material processes

- A. But this does not answer the major question
- B. Why was the cosmos created?
- C. How was it determined?
- D. What is its purpose?
- E. Science describes the results but it is not clear why they are the way they are
- F. Different types of energy, form, substance, pattern, design, color
- G. Humanity has given rise to countless races, religions, nations, cultures
- H. Things are determined but how did these determinates come out of the original Indeterminate?
- I. Where do these qualities come from, what determined them?
 - Why is gold shiny and iron dull?

- Why does water boil?
- Why does hot air rise?
- Why do things fall when we drop them?
- Why is lead heavy and aluminum light

7. Infinite is the Origin

- A. Why do we need to posit an Infinite as the origin?
- B. Hard to imagine any limit to space or time
- C. Or an infinite non-being out of which everything came - which is the same thing
- D. In either case, they are indeterminates, indeterminables
- E. They have no features, characteristics
- F. Even if we say Space and Time are the origin - they too are indeterminates
- G. We have no clue of the origin of the determinations

8. Science sees Energy as the Determinate

- A. Tiny infinitesimal waves of material energy group together to form particles
- B. Indeterminate energy gives rise to structure
- C. These join to form larger material structures
 - Particles to Atoms to Molecules
 - Protons and electrons to so many types of elements
 - So many different types of atom - with different qualities, powers
- D. H₂O
 - Why 2 gases form a clear, tasteless, odorless liquid?
 - It is something more and different than its constituent parts
 - It has a different character and properties
 - Why does water expand when it cools
- E. Upon these structures, Life and Consciousness emerge
 - Science discovers many processes
 - Respiration
 - Digestion
 - Reproduction
 - Sense Perception
 - Where did they come from?

- How can we explain them?

F. In P&P we can ask

- How could five different daughters emerge from the same marriage?
- We see their similarities – liveliness, cheerfulness, beauty
- We see also each with a unique personality of their own
- Where do they get their different characters, personalities, individualities?

G. Seed and Tree

- We see oneness gives rise to multiplicity and difference
- One seed gives rise to so many types of cells
- How does a tree grow from a seed?
- How can the whole life of a tree be contained in the seed?
- Why does a seed give leaves and fruits and not just seeds?

H. Genes & Traits

- How can genes transmit psychological character traits?

I. Consciousness

- Can chemistry and electricity explain Hamlet, Plato?
- How does a 19 year old country girl write P&P

9. Social analogy

A. Society is a massive movement of raw energy

B. Existence expresses as Force – Energy -- Form

C. Energy – Force – Power of Organization – Symbol

D. Out of it structures emerge – family, community, tribe, caste, class, nation, race

E. Organizations as forms of energy

F. Symbols as mental forms – language, money

G. Social structures too – markets, banks, farms, government, army, hotels

H. Cultural structures – customs, beliefs like ragukalam, behaviors, attitudes

I. Mental structures – ideas like karma, science, philosophy

J. Psychological – affection, attachment, friendship, love, devotion

K. Survival, growth, development, evolution

10. Science –formulas of a cosmic magician

A. Explanations of science are too far removed from reality

- B. They describe the practical processes of Nature**
- C. But not the intrinsic why and how**
- D. Why did Darcy fall in love with Eliza and sacrifice so much to help her?**

11. More Mystery – emergence ²⁹⁹

- A. Original indeterminates throw out general determinates**
 - **Mrs. Bennet’s excitable unpredictability becomes quiet poised manners in Jane**
 - **The chaos of Lydia’s elopement leads to 3 marriages in 2 months**
- B. Earth Principle**
 - **There are innumerable variations of forms of energy substance**
 - **Energy**
 - **Electrical energy – positive, negative and neutral forms. Why?**
 - **Why does positive attract negative?**
 - **Why does invisible imperceptible magnetism create tangible electricity? And vice versa**
 - **Matter**
 - **How can chaotic dance of electrons create stable atoms?**
 - **Gases, liquids, solids, metals, salts,**
 - **Earth, rocks, crystals, acids, bases, salts, metals**
 - **Why is mercury a liquid metal**
 - **So many variations**
 - **What causes the variations?**
- C. Life Principle**
 - **How can millions of tiny cells join together to create a living functioning organism?**
 - **Vegetable kingdom --- trees, flowers, ferns, moss, herbs, fruits, nuts**
 - **Animal kingdom**
 - **Human life**
- D. Constant rule of sameness of substance and nature**
 - **Dog, cat, cow, horse, bird**
 - **Yet each one is unique**
- E. Profuse variation and individual determinates**
 - **How many species of flowers, herbs, dog, bird, insect**
 - **We all belong to the same type but look different – human face**
 - **Fingerprints**

- F. Immutable sameness as base for unaccountable variation on the surface
 - Bennet girls are the same yet each unique
- G. What compels the variation? Why?
- H. No trace of a Will that determines

12. Self-organizing dynamic Chance -- First possible explanation

- A. Self-organizing paradox – to explain order along with unaccounted freak and fantasy
- B. Nature as an unconscious Force acts at random creating by chance without any determining principle
 - Like Lydia's frolicking with all the boys at the dance --- yet somehow she is the first married
- C. Perhaps determinations arising as result of persistent repetition because it's the only one that could survive
 - Are they merely habits of nature – like our body's preference for food we ate as youth?
- D. Implies a boundless Possibility as the origin of things
- E. That energy must have arisen from some Existence
- F. How then to explain the iron insistence of order and law in the universe?
 - Atomic structure and elements?
 - Rotation of planets – 24 hour day, year, moon, seasons?
 - Cooperation between the bee and flower?
 - Plants absorb sunlight to convert the CO₂ into O₂ which we need and we convert it back for them
 - There are about 4000 physical constants which are exactly what is needed to sustain life on earth
- G. How to explain Mind of order which is so different than Energy of Chance?
 - Mind is an instrument for order and organization
 - Could it be created by chance or chaos?
 - Wouldn't a force of chaos create a chaotic universe?

13. Mechanical Necessity -- second explanation

- A. Clockwork perfection of the universe as a Machine
- B. Source of mechanical laws of Nature

- **Physics:** Newtons laws of motion, Gases, electromagnetism, thermodynamics, relativity, quantum theory,
- **Biology:** Cell theory, Mendel's inheritance

C. Law explains uniformity

D. How to account for the unaccountable variation of multiplicity?

E. How to explain emergence of Consciousness of the Inconscient?

F. Consciousness has no place in a world of mechanical necessity?

14. Extracosmic Divinity – third hypothesis

A. Consciousness as the Creator

B. A mind, a will organized the universe

C. It is veiled by its creation by screen of inconscient Energy

D. All we see is the thoughts of an extracosmic Divinity

E. Omnipotent and omniscient Mind and Will

F. Responsible for the mathematical law, beauty, artistry of the universe

G. Explains the works of Intelligence, law, design, formula, adaptation of means to ends, invention and emergence of Mind

H. Divinity is invisible because it is extracosmic

I. One difficulty – arbitrary nature, incomprehensive purpose, meaninglessness, unnecessary

J. Undivine elements -- ignorance, strife, suffering, evil

K. God could have had better thoughts

L. All theistic explanations stumble here

15. Immanent Creator - Sri Aurobindo

A. Infinite casting infinite possibilities into form of an evolutionary cosmic order

B. Secret involved Consciousness, cosmic, infinite acts from behind the material Energy as its frontal appearance

C. Every finite contains or has behind it an concealed Infinite

- **Illusion of quantity**
- **Desdemona's handkerchief**
- **Darcy's triumph results in Fitzwilliam's disclosure**
- **Lizzy's impossible repeats in Lady Catherine and Jane**
- **Think of a person and he comes back**

- **Vibration attracts the same – my sense of self-satisfaction**
- D. Its purpose an evolutionary manifestation – a creation out of itself**
- E. Apparent Inconscience – indispensable condition for the structure of the material world-substance in which Consciousness intends to involve itself**
- F. Creation is a manifestation in disguise of truths and powers of the Infinite being**
 - **Those truths and powers are the real cosmic determinates – not chance or necessity or divine whim**
- G. Forms or vehicles of these truths and powers are the general determinates of Nature**
 - **Spiritual unity is the reality – all classes belong to one society and depend on one another**
 - **Abolishing of slavery made US the most powerful nation on earth**
 - **Caste divides and weakens India today**
 - **Spiritual freedom expresses through French Revolution**
- H. The particular determinates are the forms these truths and powers bear within them**
 - **Darcy’s love for Eliza is a particular expression**

16. Solution to the Paradox

- A. Free variation natural to an infinite Consciousness explains the inconscient Chance**
 - **Elizabeth’s individuality is not chance or chaos – it is the spiritual freedom from social conformity**
- B. It is inconscient only in appearance because it is involved in Matter**
 - **Even earthquakes and tsunamis express greater truths**
- C. Mechanical Necessity arises from truths and powers imperatively acting**
 - **Even death is only a necessary process of life so that the soul is freed from an ossified form to acquire a new one**
 - **Savitri discovers the Divine behind the mask of Death and conquers it**
- D. Explains the mathematical architecture of design, arrangement of number, adaption of means to ends, invention**
 - **Number: Periodic table of elements**
 - **Design: Laws of geometry – area and radius of a circle, hypotenuse of triangle**
 - **Means to ends:**
 - **pollen is food for bees which make honey as medicine and food for us**
 - **millions of micro-organisms live in us**

- **Invention: varieties of flowers**

E. Emergence of Consciousness out of apparent Inconscience also explained.

17. The Process

A. All unexplained processes of Nature would be explained

B. How does Energy become Matter?

- **How does it do it?**
- **Energy creates Substance**
- **How does Jane Austen's creative inspiration create an immortal story P&P?**
- **Energy is inherent in Consciousness-Force**
- **Spiritual substance is a manifestation of secret spiritual Existence**
- **Spiritual substance is not perceptible to material sense as Matter**
- **Existence manifests Force**
- **Force manifests Energy**
- **Substance is inherent in Energy**

C. How does quantity generate qualities?

- **Elements have different numbers of particles**
- **Colors of spectrum are different wavelengths of light**
- **All human genetic characteristics are nothing but 4 molecules**
- **Too much or too little salt spoils the sambar**
- **Pressure of a touch is either pleasant or painful**
- **Temperature can be too hot or too cold**
- **Darcy's loud voice reaches Lizzy**
- **If I talk fast, nothing will be heard—slow, everyone will sleep**

D. Design, quantity and number are base for quality and property

- **Design, quantity and number are powers of existence-substance**
 - **Darcy's wealth makes him important**
 - **Jane's handsome form makes her popular**
- **Quality and property are powers of consciousness-force – which resides in the existence**
 - **Wickham's pleasing voice, charming behavior**
 - **He got them because he was raised in the wealth and culture of Pemberley which Mrs. Bennet lacked**
 - **The light in Lizzy's fine eyes**

E. How does the Tree emerge from the Seed?

- The Real-Idea dwells in the energy-substance of the seed
- Real-Idea is Infinite's self-perception of the significant form, living body of its power
- That power and form emerge from self-conception in the energy-substance of the seed
- It is carried in the occult consciousness of the form and evolves out of it

F. How are psychological characteristics inherited?

- Similarly the gene/chromosome carries psychological elements in the human seed
 - Mrs. B's beauty and her attraction to red coats are both hereditary
- Objectivity of Matter and subjectivity of experience follow same process
- Both result from evolution of a subtle form and power

G. How and from where do memories arise?

- Subconscious carries mental psychological content – impressions of past events, habits, mental and vital traits, fixed forms of character
- It sends them up by an occult process into the waking consciousness

18. Mind and Body ³⁰⁵

- A. This also explains the relationship between Mind and Body
- B. Body influences the mind's psychological actions
- C. Science is studying the impact of hormones and drugs on psychological states
- D. Fatigue makes us short-tempered, hard to think
- E. Hormonal changes affect our moods
- F. Body is not merely unconscious Matter
- G. Secretly conscious Energy has taken form in its structure
- H. Body is occultly conscious
- I. It is also the vehicle of expression for our overt Consciousness
- J. Body's functioning are machinery or instrumentation for the movements of the mental Inhabitant so it can transmit its mind and will formations to physically manifest itself in Matter
- K. The processes of the body must necessarily reshape mind formations in their transition from idea to physical expression
 - Darcy does not speak as he intended to at Hunsford
- L. Body can in some ways even dominate the user

- M. It can create involuntary reactions of the consciousness before Mind can control or interfere**
 - Often people seem to speak without thinking!
 - Darcy's 'tolerable' – physical reaction to Bingley's 'stupid'
- N. Body has a Subconscient consciousness of its own**
 - Appa's 7-9

19. Mind influences Body – opposite order of process

- A. Outwardly it appears that Body determines Mind**
- B. This is a minor truth**
- C. Major Truth is mind determines body**
- D. Still deeper Truth – a veiled spiritual entity ensouling substance is the original determinant of body and mind**
- E. Power of consciousness over substance**
 - Morris Goodman
 - Placebo Effect
 - Mr. Wright
 - Poison ivy
 - Even placebo surgery
 - Sham acupuncture
 - It is getting stronger
 - The more care people get, the better they feel
- F. Mind can transmit its ideas and commands to the body**
 - Appa's message to Chandru for his eyes – in measure mind accepts spiritual truth it has power in our lives
- G. Mind can train body to be an instrument for new action**
- H. Mind can control reactions of the body overriding normal law**
- I. The secret consciousness in the living matter receives from mind**

20. Mind influence on Life

- A. Thinking of earning, brings money**
- B. Thinking of debts brings news of 25k debt**
- C. Mistress of Pemberley brings Darcy**

21. Divine Mind and Will create the cosmos

- A. This hypothesis is fully justified**

- B. Consciousness emerging with difficulty out of its opposite**
- C. Avoids problem of arbitrary creator**
- D. Its mission to manifest by slow and difficult evolution its greater reality and true nature**

22. What comes to us is Grace

- A. This is true in the measure we live in Truth of Mother, consecrated lives**
- B. Mrs. B's aspiration is true – it brings four suitors**
- C. Her actions are egoistic – it brings disaster**
- D. Mr. B's sense of duty or honor is true, it brings wealth**
- E. Darcy's consciousness responsibility is true – a pure act of spiritual self-giving devoid of bargain or expectation – it brings Eliza**
- F. Practical relevance for us is how to get Truth or Grace to come to us**
 - **Withdraw from preference**
 - **Consecrate – thy will be done**

23. Why can't Mind know this reality?

- A. We cannot know reality by approaching it from the material end of Existence**
 - **Veil of original Inconscience is too thick**
- B. Life cannot know it – hopeless**
 - **In Life, consciousness is still submental**
 - **It appears to us inconscient or subconscious**
 - **Mind cannot know even Life**
- C. Mind emerges in the physical and limits to the external**
 - **At first Mind is too involved in its actions, preoccupied with physical needs, impulses, desires, emotions, sensations**
- D. Human mind is the first hope of true knowledge**
 - **But at first our minds observe only facts, processes**
 - **The rest it knows by hypothesis, deduction and inferences, speculation**
 - **Sense data cannot reveal reality**
 - **Science rejects evidence of the sense mind**

24. For mind to know the reality

- A. Would be like Darcy discovering he is a character creation of Jane Austen**

- B. We cannot expect Darcy to know he is a character in Jane Austen's novel
- C. Mind would have to give up the logic of the physical
- D. Mind would have to first know itself
- E. Mind would have to discover the secret Consciousness of which it is an expression
- F. But human mind consciousness is involved in the whirl of its own thoughts
- G. Its very reasonings are determined by the conditions of its temperament, mental turn, past formation and line of energy, preference
- H. We do not freely determine our thinking but are determined by our nature
- I. Our view is dominated by the experience of divided separate ego

25. Limitations of Mind

- A. Mind divides and aggregates
 - It separates us from reality as an observer
 - Descartes divided Mind and Matter
 - Reductionism eliminated life and consciousness
- B. Three discoveries of Quantum Theory
 - Wave-particle - matter is an energy field
 - Non-locality - everything is related and interconnected with everything else
 - Consciousness acts on Matter
- C. Complexity theory aggregates to find the whole
 - It discovers infinite complexity
 - Everything is a network of relations

26. Detachment

- A. We can stand back detached and observe the workings of the mental Energy in us
- B. Still we see only its process, not the original source of our mental determinations
- C. We build theories and hypotheses
- D. The inner secret of ourselves, our consciousness, our total nature remains veiled
- E. We can know reality only by Identity - Oneness with it - not by observation or understanding
- F. Logic of the Infinite