

COMPARATIVE STUDY OF ADVAITA, BUDDHIST, CARTESIAN PHENOMENOLOGY AND QUANTUM THEORETICAL PERSPECTIVE OF REALITY



Pradip K Gogoi Rana Konwar Malaya Borah

EASTERN AND WESTERN

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World View: Eastern And Western

Comparative study of Advaita, Buddhist, Cartesian Phenomenology and Quantum Theoretical Perspective of Reality

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Coordinator's Note

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Co-ordinator's Note

The present monograph entitled "World View: Eastern and Western- Comparative study of Advaita, Buddhist, Cartesian Phenomenology and Quantum Theoretical Perspective of Reality" is the published form of the focal research project on "An Introductory Review of the Comparative Study of Advaita and Buddhist Phenomenology in the Perspective of Cartesian Phenomenology and Quantum Theoretical View of Reality" carried out under the Buddhist and Research Centre, Sonari. It focuses on the Buddhist and Advaitic phenomenological views; and makes comparative study of these views with reference to Cartesian phenomenological standpoint as well as relations of these phenomenological views with the quantum theoretical view of reality.

The monograph offers important new contributions showing how a basic question of philosophy is inextricably linked to sciences or how eastern philosophy is related to the western philosophy.

The analysis and approaches of this monograph do not necessarily reflect the views of The Buddha Study and Research Centre or its Advisory Committee. The present monograph was a product of collaborative effort by the Centre's research team that includes Dr Rana Konwar and Malaya Borah under the guidance of Professor Dr P K Gogoi whose hard work, commitment and vision are commendable.

I acknowledge my sincere gratitude to the UGC, New Delhi for sponsoring the Centre and Dr R Tamuli, Principal, Sonari

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Sonari College August, 2012

Paranan Konwa

Preface

and for bringing this project to completion also go to Co-ordinator of the Centre for preparing the index work been generously cited in course of our studies. Thanks publication of the work, although it is not a profitable venture and Dr R Tamuli, Principal, Sonari College for undertaking the and those interested in the philosophy of quantum theoretica range of readers interested in both Western and Oriental ideas trained in the discipline of philosophy, but also to a broader small monograph may be of interest not only to the person and hope it may inspire further in-depth studies by the scholars among all the perspectives discussed briefly in the monograph were involved with the above Centre actively for last two years discussions made during meetings at the Buddha Study and something very novel and unique. This work is an outcome of counterparts, if any, in the quantum theoretical view of reality and Cartesian phenomenological perspectives as well as their comparative studies of Buddhist (mainly Mahayana), Advaits view. We thank Paranan Konwar, Co-ordinator of the Centre What we want to show is the apparent unity at deeper leve University Grants Commission, New Delhi. Two of the authors Research Centre, Sonari College, Assam which is sponsored by the individual areas and we do not have any pretention of doing We also acknowledge our indebtedness to all the authors, whose in this important area of knowledge. We also believe that this Various workers have done substantial and rigorous studies in The present monograph is basically a review of the

PKG, RK and MB

HAPTER

ntroduction

experiences.4 phenomena or appearances on the basis of human or the problem faced by the philosophers is that how our philosophy, the basic aim of which is to investigate the this aspect, phenomenology is considered as a school of philosopher. 1 At various stages of civilization, every intelligent pursuit of knowledge. It is the rational attempt to have external objects independent of knowing mind.³ Regarding mind. On the other hand, some of them deny the reality of believe in the reality of the external objects independent of theories emphasize different aspects of reality. Some of them world of experience is intelligible to us.² Different systems or thinker or philosopher tries to solve the problem of existence thinking and systematic thinking are all important for a knowledge about reality as a whole. Rational thinking, logical Philosophy etymologically means 'love of wisdom' or

Phenomenology directly investigates the phenomena which are consciously experienced without any causal connections and free from unexamined preconceptions and presuppositions. Though phenomenology has been analysed

differently by different philosophers, in the twentieth century, it becomes a philosophical movement for philosophical investigation mostly due to contribution of Edmund Husserl.⁵

In phenomenology, the words like Intentionality, Intuition and Evidence play an important role. The meaning of them are as follows -

Intentionality: Intentionality implies that consciousness is always some sense-data regarding something. This means that the object of consciousness doesn't have to be a physical object apprehended in perception. It can be a fantasy or a memory. These "structures" of consciousness, i.e., perception, memory, fantasy, etc., are called intentionalities. Husserl says that all psychical experiences, viz., in perceiving something, judging something and so on, is to be grasped with the intentionality (or object-directedness) of the experiences.

satisfy his/her desire; but there is also another object, the apple in front of him/her, the apple is the object of his/her desire in one sense of "object", namely, as the thing that could require the existence of that something. When one desire the of something but thinking that particular something does not entity. Touching or kicking something requires the existence object that can be performed upon an intentionally inexistent dependent. On the other hand, no physical action requires an exist. The idea of a mermaid is, being an idea, existentially or that etc. The objects of intentional acts do not have to the idea is neither a physical thing nor is it existentially mindmind-dependent. But the mermaid which is the intention of act is always "about" or "of", I think of or about, I desire this desires, loves, hatreds etc. Brentanu said that an intentional theory of mind. According to it, intentionality characterizes mental acts like judgments, beliefs, meanings, valuations, From Brentanu,8 Husserl had absorbed this intentional

intentionally inexistent apple which is the common and peculiar element in all desires of apples.

Intuition: Intuition is the feeling or understanding that makes someone believe or know something is true without being able to explain why? It is a mental faculty by which one can have a direct knowledge of things. Intellectual knowledge provides an external view of reality; it cannot give us the snowledge of the inner nature of reality. But only intuition is that which can give us knowledge of the inner nature of things. In phenomenology, when the intentional object is directly apprehended, then one can have an intuited object. When someone perceive or imagine a flower, it is said that these are all intentional experiences and the object is intuited.

There are two stages in the development of Husserl's phenomenology. At the earlier stage, intuition is a direct inspection of the essence of the mental acts like seeing, imagining, believing etc. At this stage, phenomenology is described as "descriptive psychology". It is different from empirical psychology. Empirical psychology is concerned with causal explanation but not with describing the essence of types of psychological acts. On the other hand, phenomenology is not concerned with causal explanation but with describing types of psychological acts. There is no machinery of phenomenological and transcendental reduction. In the later stage of phenomenology, Intuition is to be understood as in the Cartesian sense of a direct awareness of what is given, but with important modifications in both method and application.

Evidence: Evidence is the facts, signs etc. that make someone believe that something is true. 13In phenomenology, the concept of evidence means the "subjective achievement of truth." It is an attempt to describe the structure of having

something present in intuition with the addition of having it present as intelligible: "Evidence is the successful presentation of an intelligible object, the successful presentation of something whose truth becomes manifest in the evidencing itself."¹⁴ In other words, the evidence is considered as that which discloses itself to pure intuition and it consists of self-

and propositional meanings are central to logical theory. But explicates the intentional or semantic force of ideal meanings, itself claims to achieve knowledge about the nature of phenomenology helps to define the phenomena on which and wrong action), etc. Regarding epistemology, of being or what is), epistemology (the study of knowledge), to, the other main fields of philosophy like ontology (the study play a role in ethics by offering analyses of the structure of metaphysics or ontology, and one that leads to the traditional Regarding ontology, phenomenology studies (among other especially philosophical logic and philosophy of language relation between phenomenology and logico-linguistic theory, content or meaning. So there is an important (if disputed) issue of debate where and whether language shapes specific or mathematics or computer systems. It remains an important through a form of intuition. Regarding logic, phenomenology consciousness, a distinctive kind of first-person knowledge, knowledge claims the rest. On the other hand, phenomenology logic (the study of valid reasoning), ethics (the study of right mind-body problem. Regarding ethics, phenomenology might things) the nature of consciousness, which is a central issue in forms of experience (thought, perception, emotion) and their language or symbolic languages like those of predicate logic logical structure is expressed in language, either ordinary Phenomenology is to be distinguished from, and related

रूपी, valuing, happiness, and care for others (in empathy and sympathy). 16

There are different views regarding phenomenology. Tohanne Henrich Lambert¹⁷ describes phenomenology as a meany of illusion. In his Phenomenology of Spirit¹⁸ Hegel holds that Phenomenology is a science in which we come to know mind as it is in itself through the study of the ways in which it appears to us. William Hamilton in Lectures of Metaphysics¹⁹ describes phenomenology as purely a descriptive study of mind. C.S. Pierce in What is Phenomenology²⁰ uses it not only as a descriptive study of the real but also of whatever is before the mind - perceptions of the real, illusions, imagination and atteams.

smell sound), are the subjective states of mind. According primary (extension, shape, size etc.) and secondary (colour, is cluster of qualities and all the qualities of matter, both and rejects the existence of external world. The idea of the are concerned exclusively with secondary qualities.²² hard or soft, and clearly the senses of hearing, taste and smel one imagine himself/herself touching something it must fee because of this lack of secondary qualities. For instance, if cannot be seen in matter. So it is impossible to imagine matter etc. The secondary qualities like colour, warmness, coldness Berkeley, all objects of the mind are imaginable or sensible and he denied any idea of an imperceptible matter, an To Berkeley, existence means to be perceived: ésse is percipi रात्रं without the mind is an abstract idea. For him, matter is ideas. Matter is that which is not coloured, not warm or colo imperceptible God or of imperceptible finite spirits. For i.e., existence-perception). Berkeley was an extreme empiricist George Berkeley21 accepts the existence of mind only

According to Berkeley, to exist is either to perceive (percipere), which constitutes the existence of spirits, or to be perceived (percipi), which constitutes the existence of the inanimate, of ideas. He considered these perceived ideas as the objects of mind; so he said that these ideas have no existence independent of the mind. He contends that the world is ultimately spiritual and there is nothing beyond minds.²³

Berkeley regards thinking in ideas to consist in having mental images. A red and round image may become the thought of a tomato if one decides to treat this image as the general representative of all things having the characteristics of a tomato.²⁴

Berkeley says that ideas of imagination or dreaming or memory are less strong, lively and distinct than those of sense which constitute the real world. The ideas of imagination and memory are brought before one's mind by one's own decision; on the other hand, the ideas of sense are independent of one's will. In dream, imagination or illusion anything can happen, but in the real world ideas are determined by the laws of nature.²⁵

According to Berkeley, "The table I write on I say exists; that is, I see and feel it; and if I were out of my study I should say it existed; meaning thereby that if I were in my study I might perceive it, or that some other spirit actually does perceive it." It is stated that when not perceived by finite spirits, bodies, if they exist at all, must be in the mind of God.²⁶

Berkeley's view is similar to Yogācāra²⁷ school of Buddhistic philosophy according to which things are clusters of sensations. External objects, not dependent of consciousness are not intelligible.

Immanuel Kant's transcendental philosophy is the

phenomena.30 20 menon. Knowledge implies perception and things-inin the sense of being perceived directly. For Kant, one cannot space and time, and the categories. The self is an empirical इन्द्रि knowledge, it requires the use of the forms of intuition, permanent ego is unknown and unknowable and for attaining recess man has an awareness of himself as a permanent ego memselves are unknown and unknowable. One can know only framselves cannot be perceived by the senses. Things-in smowledge of the super sensible, of things-in-themselves or managed their own experiences of cannot have a priori conscious, unifying self; but this self itself cannot be known self-conscious self. There can be no knowledge without a selfconsciousness and not a transcendental self.29 According to scieniedge of what he knows. Nor is this knowledge possible, are discrete and fragmentary. So man cannot have a unified onsciousness are concerned with momentary aspects. They In the philosophy of Kant, the transcendental ego was To fect known. Transcendental self or ego is the presupposition standpoint of the knowing subject rather than that of the Name, the synthetic unity of apperception is nothing but the in manscendental ego. But Kant has shown that this menoranced to give consciousness a unity and identity. States continued the continued of the second second

Georg Wilhelm Hegel³¹ does not mean that God exists a self-conscious logical process before the creation of the world. God cannot be conscious without a world and becomes faily self-conscious only in the minds of human beings. Mind a spirit passes through dialectical stages of evolution, revealing itself as subjective mind, objective mind, and the absolute mind. Subjective mind expresses itself as soul, consciousness, and spirit. The soul, which has created an

organic body for itself, becomes conscious of itself, distinguishes itself from its body; consciousness is an evolution from the very principle of which the body is the expression. The function of consciousness is 'knowing'. It rises from a purely objective stage in which it regards the sensible object as the most real and truest thing, to a stage in which reason is conceived as the innermost essence of both self-consciousness and objective reality. Mind or spirit (Geist) in the highest sense unites both functions. The Absolute Mind becomes conscious of itself.



Standpoint

Cartesian thought is associated with the name of sevenicenth-century philosopher scientist René Descartes. Cartesianism provides a significant role in twentieth century philosophic thought also. Cartesian thought is especially seen in the phenomenology of Edmund Husserl and Heidegger and in the existential philosophers like Jean-Paul-Sartre and philosophy. Descartes is considered as the father of modern philosophy, mainly because he was the first man to distinguish the subjective from the objective, the inner from the outer, and the self from the body. His special consideration to the region of self and consciousness was really novel and remountain in that period. 20

In his 'Principles of Philosophy', 33 Part I, Principle XI, Descartes holds the statement – "How we may know our mind better than our body." In order to understand this statement the gives an example— "If I persuade myself that there is an earth because I touch or see it, by that very same fact, and by a rest stronger reason, I should be persuaded that my thought exists; because it may be that I think I touch the earth even cossible that I who form this judgement and my mind which

judges thus, should be non-existent."

essentially thought and its distinctness from body which has basis of the entire Cartesian thought, but the dictum Cogito, the clear and distinct fact that self-awareness is not only the extension as its attribute. Most of the contemporary ergo sum is the best mode of showing the nature of mind as the starting point of the Cartesian philosophy. This starts from century thought may be described as the culmination of the philosophers accept the significance of Cartesian Cogito Cartesian tendencies.34 the phenomenological and existential systems, the twentieth principle and from the perspective of the development of The statement - Cogito, ergo sum (I think, therefore I am) - is

guarantees one's existence.35 convertability of one's existence with that of consciousness. one's existence with one's momentary consciousness and the by the Cogito principle. But it denies the absolute identity of indubitably asserted by thinking. One's thinking reveals and They are intimately connected. Therefore, existence is The inseparability of existence and thinking are stated

into the truth, it is necessary once in one's life to doubt of all Descartes holds the statement - "That in order to examine things, so far as this is possible." In his 'Principles of Philosophy', 36 Part I, Principle I,

practically destroy all our beliefs. It tried to regain such beliefs only transformed our ordinary ways of thinking.37 conception of the phenomenal world. This Cartesian doubt principle. Hence, the Cartesian doubt did not eliminate the consciousness - which was achieved through the Cogito conceptions of world, body etc. from the certainty of as certain and indubitable. Later on, Descartes deduced the he did not conceive it as his end. The Cartesian doubt did not Though Descartes accepted doubt as his method - yet

In his 'Principles of Philosophy', 38 Part I, Principle XLV,

The state of the s is Being cannot will to deceive us. This can be apprehended ভিতৰ প্ৰচৰ্ব God must exist. The idea of God is innate.39 The ो an all-perfect Being necessarily implies existence and nest have been placed in men by an infinite being, or Times beings are finite and imperfect, they cannot be the cause in the idea of God which is perfect and infinite being. This si the ideas one find in his/herself is the idea of God. As in a clearly and distinctly perceived are true. One The French is clear." Cogito, ergo sum (I think, therefore I am) - this He considers distinct is that which is so precise and different and true. It is clearly and distinctly perceived. Al gamagia provides a criterion or test of truth. It is absolutely ÷== ≥ other objects that it contains within itself nothing regarding eye, they operate upon it with sufficient strength etimple, we see objects clearly when, being present to the perception is." Descartes holds that a clear perception is that Figure 18 present and apparent to an attentive mind. For Descrices holds the statement – "What a clear and distinct

IT IS a martie which we cannot attribute in the same sense to --- other things can exist only by the help of the concourse national contraction of the cont as a substance which clearly needs nothing else. interstood as nothing else than a thing which so exists that it Fix and to His creatures." He holds that substance can be Descertes holds the statement - "What substance is, and that God. In his 'Principles of Philosophy', 41 Part I, Principle LI,

includes. The attribute of body is extension and the attribute ine mother and they can be known only through their in God. Mind and body are fundamentally different from percentage independently of one another, but both depend and and body are two relative substances. Mind and According to Descartes, God is the absolute substance

and the difference between them consists in the fact that in which constitutes space, also constitutes material extension, and the same extension in length, breadth, thickness, and space for they possess one and the same attribute, namely, of mind is thinking, 42There is no distinction between matter we attribute to extension a generic unity, so that after having to change just as body changes; on the other hand, in space, body, extension is considered as particular and conceived it breadth, and depth, which constitutes space, constitutes body; body. 43 Descartes says that the same extension in length, of that space, because it appears to us that the same extension we do not suppose that we have also removed the extension removed from a certain space the body which occupied it, cognition or thought is the essence of mind and perception, whereby we determine this space. 4 According to Descartes, remains so long as it is of the same magnitude and figure, and purely mental. There are some important activities like are dependent on certain external conditions and factitious some 'adventitious' and 'factitious' ideas. Adventitious ideas present in mind as latent potentialities. Mind can possess also The mind or soul has certain innate ideas. These ideas are imagination, emotion etc. are the 'modes' of this thinking preserves the same position in relation to certain other bodies, appetites of hunger and thirst; emotions and passions of mind interconnection of the body and the mind. 45 In other words, sensation, retention, imagination etc. can function through the ideas are the ideas of imaginary objects. All these ideas are colour, light, sound, etc. are certain facts which imply an which are not exclusively mental affections; sensations of pain, must explain by the close and intimate union of the two.46 cannot refer them to the body alone or to the soul alone, but intimate connection between body and mind in man. We

According to Descartes, "Because I know that all things which I apprehend clearly and distinctly can be created by

ansaulteir distinct from my body, and can exist without it." i described of body, in as much as it is only an extended the inferent and, therefore, just because I know certainly since ther may be made to exist in separation at least by the in the certain that the one is different from the other. in the second thing apart from another clearly and distinctly The is I apprehend them, it suffices that I am able to conjoined, yet because, on the one side, I have a Exercise possibly I possess a body with which I am very makes solely in the fact that I am a thinking thing. And The last stainking thing, I rightly conclude that my essence multiple cases and pertains to my nature or essence, excepting THE LEEST, and that meanwhile I do not remark that any other ाः अन्यक्ष्यक्षेत्र is made in order to compel me to judge them and untinking thing, it is certain that this I is entirely and ार्न राष्ट्र and unextended thing, and as, on the other, I possess mean and distinct idea of myself in as much as I am only a can present of God; and it does not signify by what power

Descrites holds the statement — "That we cannot ext if we give our assent only to things that we know clearly and exercity." He explained it in this way — "But it is certain that we shall never take the false as the true if we only give our assent to things that we perceive clearly and distinctly. Because since God is no deceiver, the faculty of knowledge that he had some at least as we do not extend it beyond those things had we clearly perceive. And even if this truth could not be removally demonstrated, we are by nature so disposed to give specially doubt of their truth."

Husserl was greatly influenced by Descartes in his account if subjectivity but he gave it a new and original turn. He reared it as something transcendental. By phenomenological

and Husserl, both of them wanted to employ subjectivity for consciousness' or 'subjectivity'.49 explaining the objective, natural world. Unlike Descartes and Husserl conceived the nature as conditioned by 'our from the world; rather it is involved in the world itself. So, Kant, Husserl conceived that this subjectivity is not separate way Husserl described the concept of subjectivity. Descartes

'consciousness of or about something' 50 character the projective or directional activity; it was always consciousness was only intentional, i.e. it had as its essential was the very aim of Husserl and for him, the very nature of The phenomenological interpretation of consciousness

which precisely as intentional, contain an object in themselves." psychic phenomena by saying that they are those phenomena vom empirischen Standpunkte⁵¹(1874): "And thus we can define consciousness towards an object, which is a basic concept in Phenomenology, was already present in Brentano's Psychologie called concept of intentionality, the directedness of the Husserl was greatly attracted by Franz Brentanu. The so-

a look" at what is going on when he is actually seeing intuition. The phenomenologist must be in a position to "take is present "out there". This belief is neither necessarily true concerning the spatio-temporal existence or presuppositions. 53 means the suspension or bracketing of all judgments method of epoche or Phenomenological reduction.⁵² Epoche ground of all intentional acts. This transcendental ego, for the pure essence of perception give itself to one's pure nor necessarily false. Secondly, in eidetic reduction, one makes perception of a chair involves the belief that a physical chair attitude", the attitude of common sense and science. One's means suspending all beliefs characteristics of the "natural In other words, epoche or Phenomenological reduction Husserl, was consciousness, purged of all contingency by the Husserl says that the notion of transcendental ego as the

> states. The third step is to discern the manner in which TELETY IN TRANScendentally reduced data. 54 are recited the forms of cognitive acts. Transcendental regreences that are not psychological laws of association but constant, objects are synthesized according to stable a restricted fill scrutiny of the manner in which, within manufaction also "bracket out" the phenomenal selves, to act of cognition are constituted in cognition. It requires multiple one's own self. The idea is to reduce the whole of The field restures of things one posits through the "natural requested is that in which one not only holds in abeyance the

geness of individual consciousness.55Husserl says that niterate no logical system implies pure consciousness, a ministrational self.56 not mind can exist if it is not dependent for its existence on the ministencental ego. It is the phenomenological basis and manufection the class of those physical objects. The T in the The training psychophysical organism and the ego is not Hisserl's transcendental and pure ego is distinct from

interest of the structures of consciousness that constitute the Hussel's phenomenological method is concerned with the THE Entire entires that correspond to them (noema). 57 Mainly iscored the essential structures of the acts (noesis) and the crasted in pure, immanent intuition," and its goal is to The objects of Phenomenology are "absolute data

I The cognition of a cognizing subject. The objects cognized received thing is believed to be directly given. Husserl says stand over and against the cognition. In perception the says that cognition in all its manifestations is a psychic act. It erride of mind, the specifically philosophical attitude of escribes. But it also and above all denotes a method and min phenomenology denotes a science, a system of scientific in his "The Idea of Phenomenology", 9 Lecture I, Husser

mind.

In his 'Our knowledge of the external world'⁶⁰ Russell says that in every philosophical problem investigation starts from 'data' or matters of common knowledge. Data are primarily the facts of sense, i.e. one's own sense-data and the laws of logic. Some recent memories have highest degree of certainty. Some introspective facts are as certain as any facts of sense.

In his "The Problems of Philosophy" retrand Russell shows the distinction between appearance and reality. Appearance is that which things seem to be. The painter wants to know what things to be. And reality is that which they are. The philosopher wants to know what they are. For Russell, if we are to know anything about the table we can only know sense-data such as brown colour, oblong shape etc., we cannot say that the table is the sense-data or the sense-data are directly properties of the table. If the real table exists, it is called as 'physical object'. The collection of all physical object is called matter.

It is possible to doubt the physical existence of the table, but it cannot be possible to doubt the existence of sense-data which made us think there was a table, when ten people are sitting round a dinner-table, they are not seeing the same table cloth, the same knives and forks and spoons and glasses. But the sense-data are private to each separate person; what is immediately present to the sight of one is not immediately present to the sight of another. Though different people may see the table differently, yet they see similar things when look at the table. Thus, it is easy to arrive at a permanent object underlying all the different people's sense-data. Similarly, when someone is walking round the table, it does not mean that walking round the table is not the only way of altering its appearance. One can shut one eye, or put on blue spectacles, or look through a microscope. All these appearances alter

THE THERE Appearance which one calls that of the table. More assume the end also alter their appearances if the state of attraction changes. 63

Excepting to Russell, "I bought my table from the more occupant of my room; I could not buy his sense-data, when he went away, but I could and did buy the matter expectation of more or less similar sense-data. Thus the fact that different people have similar sense-data, and the fact which makes us suppose that over and above the fact that there is a permanent public object which underlies in the sense-data of various people at various times."

Les sense-data, i.e. colour, hardness etc. which are missing with the table are really signs of the existence of something independent of one and their perceptions. So, it is assumed that there is something else of which these things are even. But it cannot be believed that when colour ceases the space ceases. 65

Fir Russell, human beings have acquaintance with activities of which they are directly aware, without the presence of any process of inference or any knowledge in the presence of the table of which he/she is accorded with the sense-data that make up the appearance in the table – its colour, shape, hardness, smoothness etc.; all these are things of which he/she is immediately conscious which he is seeing and touching the table. So, the according to the table as a physical object is not direct and that make up the appearance of the table. It is possible in doubt whether there is a table at all, whereas it is not possible to doubt the sense-data. This kind of knowledge is a table by description. The sense-data is in the sense-data in the sense-data in the sense-data in the sense-data. This kind of knowledge is the sense-data in the sense-data in the sense-data in the sense-data.

Russell in his 'Our knowledge of the External world'67

means of physical science, which derives immense persuasive the systematization of all this knowledge of particulars by to particular things outside our personal experience, through on. Then there is the extension of such particular knowledge of daily life - furniture, houses, towns, other people, and so force from it's astonishing power of foretelling the future." says, "There is first our acquaintance with particular objects history and geography, newspapers, etc. And lastly, there is

from itself in the very way in which it shows itself from itself? itself,' and hyper means 'to let that which shows itself be seen other words, Phainomenon means 'that which shows itself from wherein something can become manifest, visible in itself.70In basic work, Sein and Zeit (1927)69 phenomenology was show itself' or which shows itself, the manifest. It means that Phainomenon and logos. The Greek term from which the word phenomenology is derived from the Greek concepts of understood as a methodological concept and for him, method basically emphasizing human existence. In Heidegger's 'phenomenon' is derived is originally a verb which means 'to Heidegger68 accepted Husserl's phenomenological

phenomenological reduction, a transcendental ego and intuition of essences. Heidegger is concerned mainly on the the-world'. 72 In Sein and Zeit there is not be seen a object for examination apart from any and all entities in it. In of Being as such. The world, in the opinion of Heidegger, is phenomenological examination is not an examination of experience of entities cannot be bracketed. For Heidegget, of the problem of being and he rejects the phenomenological Heidegger's opinion, there is no ego, there is only Being-innot simply a totality of objects, but a peculiarity independent individual objects, but the examination of the phenomenon bracketing and in his opinion being cannot be bracketed. One's to every entity. Heidegger points out that philosophy is a study For Heidegger, Being is not a genus of entities, it applies

> 100 hours Davin, but is a structure of Davin as Being-insomethings in at exists. Being is the totality of entities and beings THE TELL Heidegger holds that we experience our ordinary of the conference of the interpretation of man's situation.73 हान हार्ट ebject. Man cannot understand his relation with considers man as Being-in-the-world. But man has to re reman being and the outer world and therefore he The Design and English as that in which one operates Training of Being, This can be defined as hermeneutical Extracte Dastin can have a meaning, because it has in the practical activity man has an awareness of what he is ार पार्टी without knowing what he is and the objects. Even are so many entities. Heidegger admits the inseparability of need in existence in which an object is called a being, as it is ing which in the end belongs to the essential constitution of massissess or because it is consciousness.74 DELLE Heldegger considers Dassin as a manifestation of Being moessund what he is, he has to make a distinction between way - human being in its existence in the world. Being is

minime of consciousness for the sake of ontological in physical, psycho-physical and psychic objects, all truths, er prects. This directedness can be called as intentionality mescousness has no content. It is transparent. It directs us consciousness is experienced as nothing, for remeasure. He accepts the theory of intentionality. - Land the Ego's Sartre was trying to understand the Express of imagination and emotion gives a better resembled with reference to his analysis of human experience adecstanding of his phenomenological method. In ranes, are outside consciousness. So consciousness is Jean-Paul-Sartre's phenomenological method can be

reas into the world. Nothingness can be conceived neither Sature says that man is the being by whom nothingness

outside of being, nor as a complementary, abstract notion. It must be given at the heart of Being. But this intra-mundane nothingness cannot be produced by Being-in-itself. Because the notion of Being as full positivity does not contain nothingness as one of its structures. It cannot even be said that Being excludes it. Being lacks all relation with it. 77 Nothingness is the ground of the negation because it conceals the negation within itself, because it is the negation as being. Conscious being constitutes itself in relation to its past as separated from this past by nothingness. Freedom is the human being putting his past out of play by secreting his own nothingness. In freedom the human being is his own past (as also his own future) in the form of nihilation. 78

Sartre's philosophy is not idealism. He points out that Being does not create consciousness and not dependent on consciousness for its existence. Being is already there without any justification. Though it is fully there in each one of its appearances, it is not exhausted by any or by all of its appearances. Without consciousness there would not be anything like a world, rivers, tables etc.; but there would be only Being Consciousness causes there to be things because it is itself nothingness. Only through consciousness differentiation, meaning and plurality for Being is possible.⁷⁹

The essence is not in the object; it is the meaning of the object, the principle of the series of appearances which disclose it. But being is neither one of the object's qualities, capable of being apprehended among others, nor a meaning of the object. Being is simply the condition of all revelation. 80

Sartre wants to accept only what is given in immediate experience. If Sartre wants to accept only the immediately given, then Husserlian notions like the transcendental ego cannot be accepted and belief in the existence of the world cannot be suspended. We not only experience the facts given to us, but we also experience them as existent in the external

territor the pre-reflective Cogito and the Cartesian or the where Fire Since consciousness is not identical with material the consciousness which becomes aware of something is the The manufacture between the consciousness and the objects of und became There is a distinction between Being-for-itself survey the as an encounters the objective world through choice TYPETERS Dut it does not become impure and cease to be minutes are represented and is the basis of all knowledge and the rest framen consciousness. It is an immediate, non-THE TENETHEROUSCIOUSNESS without which knowledge of the Sartre believes that all reflective consciousness the transfer of consciousness. Sartre makes a distinction ensured Consciousness is absolutely free. He eliminates ego Foregrouped. The Being-in-itself is the self-contained being and a conscious, is called by Sartre, the Being-in-itself; and THE FELLISSIS. The transcendent being or something of which and being-in-diself in Sartre's philosophy. Here Sartre admits minded in a the 'consciousness of itself' or it knows itself remission It also includes immediate sense-experience and coeff references impossible. To Sartre, pre-reflective Cogito is Serve accepts the distinction between the consciousness and Letter Being is in itself and Being is what it is. Though using the reflective consciousness. Pure subjectivity is This pre-reflective Cogito always if terent from consciousness, is not complete without LEVEL TREESCENDENT OF CONSCIOUSNESS. But for him, Being-in-itself, in is always outside to consciousness; it is always outside substances. Similarly, according to Sartre, the object or Beingthe threats of consciousness, yet he wants to avoid the -11 be necessary at the reflective phase of consciousness ानु े दुन्दा and non-substantial. The conception of ego or self CLEEDUSNESS. According to Sartre, consciousness is none the acts as two different categories or as two different LETERAL CHAISM. Descartes accepts mind and body or mind

but in its primary, non-reflective phase, consciousness does not require any such ego and is impersonal in nature. The famous Sartean formula 'existence precedes essence' actually means that man first exists and then subsequently determines all his thoughts, actions and possibilities. Man's essences and capacities follow his existence. Descartes declared the principle – Cogito ergo sum (I think, therefore I am) and there he deduced the certainty of man's existence from his thought. But Sartre's formula is 'I am, therefore I think' and he believes that man cannot act or think if he does not exist beforehand.⁸²

of the objects. To him, perception is not merely conscious, it experiences. Without it, one cannot be aware of the existence of the subject. The body gives form and significance, not as an object among other objects, the body plays as the role conscious level body is not supposed to be the conscious is also pre-conscious and pre-personal too. In the prethe body, perception is always essential in one's conscious world in which it is involved. Through the intermediation of world. Both in his Structure of Behaviou 84 and Phenomenology of consciousness and existence as essentially interwoven with the is reinterpreted not as a 'bracketing' but as a re-examination merely to the objects, which it perceives, but also to the entire in our conscious experience. He holds that body is not merely Perreption 85, Merleau-Ponty seeks to elaborate the role of body He holds that phenomenological technique should explain our meaning-structure in which any given phenomenon is inserted. ultimate horizon or field of experience, as the ultimate world is present in any and every human experience as the is also the very basis of our entire relation to this world. This phenomenological concept of intentionality; but that impossibility of a complete reduction. He accepts the of our experience of the world". 83 He points out the intentiveness cannot be the nature of consciousness merely, it In Merleau-Ponty's philosophy "the epoche or reduction

The real conscious the foundation of the conscious level, the real conscious realm and includes both the body and the real conscious realm and includes both the body and the real conscious realm.



Buddhist Phenomenological

Buddhist classification of cognitions.87 phenomenology of consciousness. One example is the Indian philosophy can be described as a descriptive

of the Buddhist philosophy is the realm of experience.85 datum open to us, the real existence.90 linked with the concept of reality. Another important feature role in Buddhist philosophy. This subjectivity was always known as today Buddhism. 88 Subjectivity played an important sometime between the 6th and the 4th century before the Experience, according to Buddha was the only substantia Christian era. His followers propagated the religion that is Gautama, the Buddha, flourished in northern India

means 'because of' or 'dependent upon'; samuppada means 'arising' or 'origination'. Hence, it is applied to the whole is the foundation of all the teachings of the Buddha. Patica and No-Self theory are all important in Buddhist philosophy The doctrine of Patica-samuppada or dependent origination The doctrines of Dependent Origination, Impermanence

> and the following order, 22 min or invided into three classes, viz. the past, the present, THERE IS CREAKING, the wheel of re-birth. These twelve links ाम प्रशेष्ट्रां to produce an effect becomes the criterion inst ਵਰਤੋਂ ਦੇ 15 ਜ਼ਿੰਦ capacity to produce the succeeding link and The chain of causation is known as dvadashaass tases on the theory of Momentariness, because each therefore reactive and false. The theory of causal efficiency is more than the ego and matter are also momentary and THETHER IT NO-Ego or No-Self (nairatmyavada or anatmavada) is research is causally efficient to produce the succeeding भार भार व्यक्ति are ultimately false. Because everything is ्राप्तान्य क्र Breddhism, According to this theory, the individual The theory of Momentariness or Impermanence रणजन्म क्रा के के क्षेत्रकार्थांडमा and nihilism, self-indulgence and self mall the assemble the Middle Path, Madbyama Pratipat, which such the ment be momentary or impermanent. The THE CHARGE reality and nothingness. In this sense Buddha mille with consists of twelve interdependent causes THE IT I THE TRANSPORT All phenomenal things hang between EDUTETICE and Dependent Origination are co-related many constraint in the empirical world everything is relative. country rependent, subject to birth and death and relative, dependent, conditional and According to Paticca-samuppada

-gnorance (avidyā)

Disposition (sanskāra)

Consciousness (vijnana)

Name and form (nama and rupa)

Six organs of cognition (sadāyatana) Sease object contact (sparia)

Thirst for objects (trsnā) Nense-experience (vedanā)

- Clinging to objects (upādāna)
- Will to be born (bbāva)
- Birth (jāti)
- Sufferings (jarā-marana)

of birth - and - death. This is the twelve-spoked wheel of two to future life and the rest to present life. This is the cycle Dependent Origination.93 Out of these the first two are related to past life, the last

of existence, a component of so-called reality. The human so on. A dharma is defined as a 'carrier of its qualities', a 'factor states of consciousness, good and bad luck, birth, death and (bundles, aggregates),⁹⁴ namely: person is divisible into five groups of dharmas, called skandhas entities. The Buddha explains the phenomenal world as dharmas process by postulating interplay of a multitude of unchanging existing world evolved. It also does not explain the world-Dharmas are colours, sounds, sense faculties, breath, feelings, material or spiritual primary substance out of which the Indian school as it does not accept the existence of an eternal Buddhism is considered as separate from most other

- 1. rupa: 'body'; all perceptible forms
- 2. vedanā: 'feeling', all feelings of pleasure and pain;
- 3. sanjñã: 'perception', all that can be perceived or imagined, including the faculty to discern perceived and imagined
- sanskāra: 'motive forces', the power that produces something as well as that which has been produced. karma. They comprise attachment to (bodily) life, desire, delusion, aversion, volition; The sanskāras are responsible for the formation of
- Ş vijnāna: 'consciousness', the element that transmigrates reincarnation.

Land Land a sense it is different from them. 95 ापाला कार्या के के कि कि क्रीने or consciousness takes the phenomena are the the full it does not mean that the sun is different The white her sin rises, its collected heat and yellow colour THE LANGE CONTINUES AND ARTER STREET, From those in truth; and it is said that connected the fire sun shows itself with all its colours, etc., ात प्राप्त कर क्षात्र केंद्र, they leave no gap between the previous intere grants, goes in advance (pubbangama), connects THIS LESS EST and consciousness therefore appears as hundrage is a set sets that when states of consciousness rise thinks In the characteristics of consciousness are that un the time from any direction. Buddhaghosa in the with a writing at the middle of the cross-roads beholding क्षाक्षरका स्टाउँ स्वातेष्ठ on nâmarûpa (nāmarūpaþadattānam). harmalise and says that consciousness means that which - Marie err, and cognizes them. So though it is the same ार स्थाप स्थापन है जिल्ला been compared in the Milinda Pañha

replaced if consciousness (Citta-Vith) is two-fold-""" ______ continuum, cognitive course of consciousness, with a mer march keeps on flowing through processes of भागात भागते बहुबान a new birth and so on. The Buddhist cognitive build entained and so on; but a Buddhist monk uses the rut use the spiritual pursuit. In Buddhism life is compared n are field of Philosophy, Psychology, Sociology, in a control of the phenomenon. A phenomenologist uses it The Theorem Phenomenology, which is of the twentieth resugate the pure data of consciousness for r. folders account of the process of Cognition or === :s as old as twenty-five hundred years, and and to derive pure knowledge for description

in a new rebirth and is thus responsible for the latter the cognition of their corresponding objects, and body taste, and touch. The stages which 4. Newsonial Cognitive Process: 6 this process depends

are involved in this process are

- Passive Mental State (Bhavanga): In this stage, the mind is not conscious of any object. It is known as 'the sleeping stage of mind'.
- 2. Adverting (Avajjana): It is a mental act to respond to an object entering into the passive state of mind, the act which is traditionally compared with an act of alertness of soldiers upon hearing the sound of a danger signal in a battle field.
- 3. Viewing (*Dassana*): It accomplishes the function of seeing or viewing through the eye-door and has the eye sensibility as its physical basis.
- Hearing (Savana): It accomplishes the function of hearing through the ear-door and has the ear-sensibility as its physical basis.
- Smell (*Ghāyana*): It accomplishes the function of smelling in the nose-door and has the nose-sensibility as its physical basis.

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- 6. Taste (Sâyana): It accomplishes the function of tasting in the tongue-door and has the tongue-sensibility as its physical basis.
- 7. Contact (*Phusana*): It accomplishes the function of touching through the body-door and has the body-sensibility as its physical basis.
- 8. Apprehension (Sampaticchana): It is an act of receiving the object by way of one of five sensations.
 9. Investigation (Santirana): This is an act of
- Investigation (Santirana): This is an act of investigation of an object received in course of cognition by way of comparison with past sense data and newly acquired or received data and their analysis. This act is similar to the Husserlian act of 'retention' (when comparing with the previous events) and 'protention' (when comparing with the anticipatory events).

Determining (Votthapana): This is an act to determine the nature of an object. The efforts of interestigation of previous moments result in assertating or determining the characteristics of the determining the previous cognitive act, which interested the mind to locate it as an independent unit in a ming.

The culmination of full continues of cognition is Javana. According to the continues of Mahesh Tiwary? It is an act of utilisation of the object when it is agreeable or the continues of the object when it is agreeable or t

Interesting (Tadalambana): Literally, it means 'thatinstance, that apperceived object, which is presented before the mind in its entire vividness by the final maturity of a course of cognition and the consciousness which occurs at the constant of apperception is recording, because it makes the object of apperception its own object.

The TIME II mind this process can survive only upto the stage ा धारानाम् चारा, and cannot proceed beyond that. Therefore THAT IT THE CASE of the occurrence of an obscure object within there it inguition. In this case the cognition is vivid and THE POST They are either clear or obscure. When the the stage of recording, completing the ful THE CHIEF PARTY manufactured and runs upto the stage of registration through sentent is that which starts functioning from the stage of "" The fildeational objects which appear through the The Fight of appeared tion. Here, the cognition depends The times the range of mind the process of cognition Communication The process of cognition of an ideational ได้สะบังกลl Cognitive Process of Consciousness object after entering into the mind. There are on

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in this case the cognition is feeble.

Buddhist monks seek to achieve Samatha and Vipassani with the help of the above process. Samatha is derieved from sam (i.e., to hull), refers to the tranquillity of mind by way of overpowering all mental obstructions or hindrances of meditation. Vipassanā (derived from vi and dis, i.e., 'to see as it is') refers to perceive the things in diverse ways in light of transiency, sorrowfulness and soul-lessness. The popular renditions for this term are 'insight', 'contemplation', 'introspection', and so on. The main objective of Vipassanā is to see the things-as-they-truly-are with Nibbāna as the summum bonum or the highest pleasure.98

The first broad division of the later Buddhists is under two heads: the *Hinayāna* and the *Mabāyāna*. These two are further divided into four schools. The *Hinayāna* comprises the *Vaibhāsika* and *Sautrāntika*, and the *Mabyāyāna*. *Mādhyamika* or *Mādhyamaka* and the *Yogācāra*.

The Buddhists say that the intellect is the self, on account of such Sruti passages as, "Different from and more internathan this is the Self which consists of consciousness" (Tait Up. 2. 4. 1), owing also to the fact that the instrument becomes powerless in the absence of the agent and from such experiences as, "I am the agent," "I am the enjoyer," etc. It is the doctrine of the Buddhist idealist, known as the Yogacāra who accepts a stream of ideas (vijiāana) alone to be real and rejects everything else as non-existent.¹⁰⁰

The school of Yogācāra deals with ideas, consciousness mind in a very extensive way. This school is generally known as idealism. According to this, all existence has its center and being in mind. According to idealism, the object is not as it appears. It is, therefore unreal, consciousness(vijnaph) is the sole reality. The object is only a mode of consciousness. The external appearance of the object is the transcendenta illusion. 101

The mane consisting of a stream of different kinds of the control of the control

The Experime scoided the erring Bhikkhu and the reiterated to make the inneciousness is due to conditions. Without the contract inneciousness is due to conditions. Without the contract inneciousness is due to conditions. Without the contract inneciousness worldly objects, there arise six the contract inneciousnes, the consciousness in the contract innering the contract innering the consciousness. Later, Yogavara school of Asanga and the contract inner the contract innering the consciousness and the consciousness.

analyses Citta (Consciousness) into 89 or Embed into Bhūmi (stage), it is of four kinds:

Secretors Consciousness (Kamāvaara-Citta) — it is that the consciousness in the world of desires. As a consciousness which because it is essentially manufacture a consciousness which is essentially frequented by account a consciousness it causes rebirths in a sensuous plane of

Consciousness of Sphere of Form (Rupāvacara-citta):

a man consciousness which gets concentration on an object

conscious with one form and colour.

Consciousness of Formless Sphere (Arripāvaara-citta):

The consciousness which develops concentration on an arrange policy form at all.

in initial Citta according to moral, immoral, Citta has

been divided into 89 or 121. If divided into stage, it is of four kinds:

Moral Consciousness(Kusala-citta) — this consciousness is associated with moral states.

Immoral Consciousness (Akusala-citta) – this consciousness is associated with immoral states.

Resultant Consciousness (Vipāka-citta) — it is the fruit of an active consciousness. The consciousness arises and sinks down. While sinking down it leaves impression on the surface of mind. Such impression is called Vipāka-citta.

Inoperative Consciousness (*Kiriya-citta*) – it is the consciousness of an Arahat who has destroyed all worldly desires. ¹⁰⁵

According to Yagācāra, our actual world is merely 'thought' or a representation produced by consciousness. Conscious experience may contain some shadowy reflection of extra-mental existences, but is conditioned by mental constructs that it is these that must be the focus of analysis and spiritual change. Supporting this view, meditative experience is appealed to. Concentration of an object can generate a mental image such as a coloured disk of light, which in time becomes more vivid and clear than objects seen with the open eyes. Asanga argues that, however real such images appear, they are clearly nothing apart from thought. 106

Thus in brief, the Yogātāra holds that consciousness is the only reality and the empirical world reduces itself to ideas. The independence of the external object confronting consciousness is only apparent. The blue and the consciousness of blue are identical. Consciousness is creative. The object has no separate existence of its own. 107

The concept of alayavijñāana is the most important principle of the Vijñānavadīns. This can be translated in English as store-consciousness. In this system there is the store-

manuscribles algraphiana), thought consciousness of the partitive development of the stages in the development of the articless, i.e., maturing, thinking and knowing the articless, i.e., maturing, thinking and knowing the articless i.e., maturing, thinking and knowing the articless, i.e., maturing, and sometimes used as an absolute with the permanent background of the endless variety of articless, common to all minds. It is the sole maturing in the relies belief in the existence of the world.

The control of continuously changing states. It can gradually then the changing of undesirable mental states and develop into the changing states and develop into the changing of changing.

The second of the instance of the instance of the instance of the external reality, but a street of the form, so that the cognitive act has its found the external receive form. A sensation of blue is 'blue'; there is the constant of the instance of the i

uncurrent to be unreal by Vijilanavada. The reality of Pure contains alone, variously called as Alayavijilana, including the Pure Consciousness transcends the dualism of the configuration of the object as well as the plurality of the same as the Self-luminous Self.

Including the contains as the Self-luminous Self.

Including the contains as associated with the contains the contains deas (klista mannifilana) as associated with the contains the contains and the external world is declared to be a mannification of Absolute Consciousness.

The the same and exist independently and outside of the contains and exist independently and outside of

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transcendental background of all phenomena. 112 immanent in all phenomena and it is also the permaner of consciousness because the distinction of the subject an transcends the subject-object duality. Consciousness is the object is within the Consciousness itself which ultimately perceives them. Only their objectivity does not fall outsid denied. The objects appear as objects to the subject which consciousness. The objectivity of the external world is no

they are imaginary and subjective. 113 subjective; things have only an apparent existence, in reali-Mådhyamika concludes that our entire experience is pure Relativity is the mark of unreal, of the subjective. The to this school, subjectivity is another name of relativity reality and as such it is purely imaginary, subjective. According of thought is infected with relativity and is therefore void or know the Reality. This system emphasised that every categor, mere concept. The main functions of the Mâdhyamika is to analytical power by which every object could be reduced to i of existence (dharma). The Madhyamika system offered at The Mādhyamika philosophy rejected all the element

to be inexpressible. They are characterization of Reality. Buddha considered fourteen things known as Sunyavāda. According to Sunyavāda, sunya is the Madhyamika philosophy. So the Madhyamika philosophy is Sunya or sunyatá is the most important concept of

- (1) Whether the world is (a) eternal, (b) or not, (c) or both (d) or neither.
- Whether the world is (a) finite, (b) infinite, (c) or both, (d) or neither.
- Whether the Tathagata (a) exists after death, (b) or does not, (c) or both, (d) or neither.
- Whether the soul is identical with the body or different from it.

means snabhana-sinya, i.e. The management Reality is neither sat (existent) nor asat mounted mean the second of (ii) a negative counter-thesis, haum out in fires not negate Reality itself. So, it cannot be The Printer of the Absolute, it means prapanca-sunya, warm of the adisjunctive denial of the first two. According much a positing at all. So, there is seen sunyata or emptiness of one one things. It is simply process. A thing by activities is similar to sunyata or relativity. The world is not mean of the color independent, substantial reality. (b) from the there is the a conjunctive affirmation of the first two, the The limit alternative of the tetralemma consisted of (i) a ा अक्षाक्षण and also called the four-cornered negation. and the thing to prajna (transcendental insight). 114 milieum in Lagrata is not an end in itself. It is means to __ warmen ___ Madhyamika negates all the views about and the literal construct and plurality. Pratitya अार विकास ित्रों the Absolute is inaccessible to thought warm the two meanings — (a) from the point of view of The samulated them into the catuskoti, tetralemma

HER TO BE STATE OF THERE NOTHINGNESS, but is the very source there is the read or emptiness. By this emptiness he means with the many be grasped with concepts and ideas. He call me includes of all concepts of reality. For him, reality, at the the casence of all forms. wager in used a highly sophisticated dialectic to show

ध्यायक्षण प्रवादक्षक्रमम् and conditionedness. It is not a rejection is the energy to the mundane nature of things. Sunyatā is not of entities — this is borne out by sunyati the voice of pecoming and the meaningfulness of life, but The Third mandane existence is appreciated as a course included becoming as well as the way the values of life PLEATURE OF IDDI-ultimacy of views and conditionedness

become possible of realization. 116

For Nāgārjuna, the two most important conceptions are — "conditioned origination" and "the Middle Way". The former emphasizes the import of relativity in regard to the entities or events that constitute the course of mundane existence. "This being, that becomes, and with the extinction of this, that ceases to be." This is the truth of "conditioned origination". The later emphasizes the import of relativity in regard to views concerning the mundane nature of things. The Middle Way is the way which is free from the extremes of "is" and "is not". Actually nothing in the world exists absolutely and nothing perishes totally. It is the way to see things as they are, to recognize the possibility of determining things differently from different standpoints and to recognize that these determinations cannot be seized as absolute."

Buddha says that all things have transient existence. He also says that all things are single or devoid of existence. By nature things are such that they are neither absolutely existent nor absolutely non-existent. They are relative, not absolute. The aspect of "is" and "is not" are distinguishable though not separable. There is no contradiction in making different statements about the same thing from different standpoints. That the self exists and that the self does not exist, both are true. Similarly, everything exists and all things are non-existent are equally true. For example, the ring finger is both long and short. From the standpoint of the middle finger it is short and from the standpoint of the little finger it is long. Both the statements are true. 118

The primary meaning of sunyatā is devoidness which is direct reference to the truth of things, mundane and ultimate. Sunyatā as the mundane truth is relativity. It is brought to light by rejecting the supposed ultimacy and absoluteness of particular entities and specific concepts and conceptual systems.

record which is the ultimate truth is the unconditioned, undivided record with a the ultimate nature of the conditioned and the naturalization is the ultimacy of the conditionedness of the conditioned and the modulationed and the division between the conditioned and the minimate that is the first kind is called sunyatā and the second the second that is tabled to provide the sunyatā sunyatā sunyatā.

While which is the mundane truth means such natures of thange is increasing the self-bod, tathatā as their ultimate nature means the increasing indicate ind

assuments the the phenomenalistic form is given. They believe are the same and the start and the Here ittrestittes or properties (dbarma) by our senses ಹುಮಾರ್ಗಟ್ ಪರ್ವೀದ ಸಂತ್ರತೆ ನಿರ್ದೇಶಕ of consciousness or knowledge 1.2 ा ता । ूर्य 🖂 🗅 ine awareness, is inferred only. In our perceptua compensation of the are never able to know the substratum of sense that it is independent of our knowing. It is not a matter of the external object are known indirectly or whose orner orders of the blue are identical. According to them the THE WOLF THE EXTERNAL object, the substratum of an appearance which is the we directly perceive an object by our sense The Tree is moments are recognized as form (wha) and the consciousness of it mescal tractes. They hold that we know a form by its the their of representationalism. Representationalism is that The following admitted the reality of a moment in

we do not directly perceive the object but are aware of our ideas only.¹²²

(4) impression (sanskāra) and (5) consciousness (vijināna). 124 any soul or substance. The aggregates (skandbas) are five classified into aggregates (skandbas) bases of knowledge (1) form (rūpa), (2) feeling (vedanā), (3) name (sanjād) individuals can be analysed into a number of states without (āyatanas) and dhātu. According to this classification the momentary and durationless. All these dharmas have beer things. These elements of existence are impermanent all - 72 being the conditioned dbarmas (sanskrta) and 3 present, past and future. This school recognized 75 dharmas in unconditioned dharmas (asanskrta) are not produced by other of things or dharmas remain during all the three periods of time, of the ultimate factor or elements of existence. The existence (sanskrta) are those which are produced by other things. The unconditioned dharmas (asanskrta). The conditioned dharma perceived. 123 Dharma is used in Buddhist philosophy in the sense extra-mental things are real. They are directly known or including mind and matter. In other words, both mental and The Vaibhāsikas admit the reality of the external world

Zen Buddhism, evolved in Japan, provides the correlation between subject and object (or ego and world). The structure of the subject determines the structure of the world of objective things. In Zen, the empirical subject or ego is not considered as a self subsisting entity. The empirical ego can be called selfhood because all its movements are actualizations of what is its real selfhood, i.e. pure perceptive consciousness. In the same way all objective correlations of subjectivity are actualizations of the Mind. This ultimate governing principle is something which runs through the subject-object relationship and which makes this very correlation become actualized. 125



Muranic Phenomenological View

man mar in a coordinal manner. Gaudapāda is better known as on the light size etc. but they were there in seed-like form ा। अध्यानम् स्तारः, the aita takes the form of external objects meson in the scale, Citta never touches the external objects. In हारका । विद्यानका or creation of mind and internal states are me manufic world. For him, everything internal or external is and writers in connection with explaining the objectivity of merca at tart's norn and dream-object and the real is monutation: the intermediate model objects are unborn and therefore, and some carried in the concept of Ajāti (unbornness) which memours that the Bhagavadgitā, the Brahmasutra, the Purānas, restriction of the care and thus his grand-Guru, Before removement of extraina philosophy. He was Sankara's teacher mattering of the Upanisads. The most prominent and the manual ा ्रेड्टान्ड Buddhism. He used the words – atta, mana mean of the this all objectivity is mere mental which is exactly because of the argues that mind (citta) is the cause of manufactures, the Advaitic ideas were prevalent in ्रा ा ्र Vedānta is Advaita Vedānta (Absolute relicults a systematic exposition of the fundamenta Enter the Sankara, Gaudapāda is the only systematic

the state of mind (citta) and the mental objects. 126 supporting his Advaitic standpoint Gaudapada denies ever as it takes the form of objects in the dream state. But ultimately

superconscious intuition only, 127 cannot be known by empirical selves. It can be known by consciousness, which has no relation to empirical objects. It transcendental consciousness devoid of the distinction of or consciousness devoid of subject and object. It is the eternal knowledge, known and knower. It is subject-objectless which is Pure Consciousness. Brahman is Sat-Cit-Ananda (existence-consciousness-bliss). Brahman is eternal knowledge indefinable. According to Sankara, ultimate reality is Brahman cosmic nescience (Maya) which is neither real nor unreal, but the world as appearances due to an indefinable principle called emphasizes the reality of the unconditioned and unqualified Upanisads and develops it into a systematic Advaitavâda. He India. Sankara emphasizes the monistic tendency in the (nirguna) Brahman, and regards God, the individual souls and (788-820 A.D.). He was one of the greatest philosophers of The most powerful exponent of Advaitavada is Sankara

not attribute and hence, constitutes the very essence of and bliss, but self-existence is experienced by all. The sat is own existence. One may not realize that the real is intelligence persistent in earth, water, ether, air etc., is the substrate and constitutes the essential nature of Reality. None doubts his neither external relations nor internal differentiations. Existence is constant in objects that are variable; and the universe. It is the essential constitution of Reality and has nature. Sat or existence is thought to pertain to the objects of considered as the parts of Brahman, but they constitute its Sat-Cit-Ananda (existence-consciousness-bliss)-is not

also. 129 In Advaita, three distinct stages of waking, dream and similarly the existence is the substrate of the internal world Just as the existence is the substrate of the external world,

> :: De ever-existent. 131 Experience intelligence is constantly present. So it is thought of the nescience of sleep. In these three states of tre remess-intelligence, since that intelligence is the witness remasses the dreams. The state of deep sleep is the state of The pure intelligence does not undergo change which THIS out that dream-phenomena lack the attributes of reality, "that to things or objects. In this state, the objects of tier eness in experience. 130 But, this blankness does not affect in treams, psychic states and sense organs. It is a seeming ::: ___lete rest for the individual mind without any intervention ran spatiality, temporality, causality and non-contradiction; ाद्याद्रोon, though obscure, has a free play in dream. Sankara == mainly copies of waking experience. Imaginative remaple connects and controls them. In dream, all the objects are recognised. In the walking state, sensations directly

Regarding self-existence Sankara's view is similar to 12. on which all knowledge and logic are grounded. Sankara and existence cannot be separated. Self-existence is the basic is a predicating his own unreality; for he is no other than the regard proof. If a person asserts that the self is unreal, then an object of experience. In self-consciousness, thought == not that of nescience. The self is itself experience and it is "Lesies in Samadhi (state of super-consciousness). In the state which is attendant on the self in waking, dream and sleep, THE III waking disappears in dream. The subtle body or the Self-knowledge is inseparable from self-existence. It is : Super-consciousness, there is the manifestation of the self makes to exist in sleep. The causal body or the sheath of ananda steams of vital air, mind and intellect is manifest in dream and It does never cease even in the experience of sleep. using, is not affected by the presence or absence of body == gross body or the sheath of food which plays its chief The self, which is the silent witness, eternal and ever-

existence. He who began doubting everything could not doubt Descartes. According to Descartes, nobody doubts his own consciousness, and that therefore the self is established only only existence, it is intelligence as well. The experience of selffirst postulate of his philosophy. 132Brahman or Reality is not self luminous indicates that it is of the nature of bliss. From experience of sleep which reveals the self to be non-dual and objects of sense is a reflection of Brahman-bliss. 134The experience are not different because both are considered as an inert light, then, there is the contingence of the blindness in dependence on experience. If experience be regarded as intelligence, does not shine of itself, like another person's the nature of experience. The self, though of the nature of consciousness is undeniable. For the Advaitin, the self is of his own existence. Cogito ergo sum (I think, therefore I am) is the experienced in sleep. 135 reflective cognition of happiness and nescience which were we know nothing in our sleep." So, here one can find the who say after waking up from sleep: "Happily did we sleep; in sleep. There is also the evidence of the experience of all considered as the only testimony for the existence of happiness that there remains in that state only bliss. Scripture is not the non-existence of misery and pain in sleep one can conclude pure intelligence, it is also bliss. The happiness that we find in the light of intelligence. 133 Reality is not only existence and (unconsciousness) of the world. Hence, the self and

omnipresent nescience, but as conditioned by the internal is itself the witness, because it is the direct seer. Some others maintain that the Jiva is the witness, not as conditioned by the Some Advaitins hold that Jiva conditioned by nescience

self are opposed to each other like light and darkness. according to Sankara, intentionality must be metaphysically false. Consciousness is self-illuminating, object is not. Thus, For Sankaraa, consciousness and object, self and not-

> receives of the other, 137 will apprehend the possibility of ascribing to one the arrays fact of consciousness', being of an object, one need inscousness and object have very different features. In the

and the perspective of an presented with reality. The Advaitic intuition could more In the characterized as 'transcendental reflection'. A steady to such realization lies along inwardized reflection. stable for the strictly intellectual level of acquaintance with THE ESCRIMENTAL means. Stavana would mean the reduction नामहाराज्यातां the stages of manana and nididbyāsana serve as unume of mind – at varying levels – in which the pure and maniplation (nididhyāsana) can be understood in the light a The steps of hearing (shavana), intellection (manana) and The managemental reflection. The threefold Vedantic discipline meanie experience as may be brought through close scrutiny megat into the presuppositional ground or structure of That he reduced to intuition; because through that alone we attended in For Sankara, all empirical and logical reasoning mere-rith. According to Advaitain, real enlightenment car means concentration (mididly āsana), the whole mind is to be martial scriptural texts in their logical connexions. Intellection structures of experience could become evident received of Vedantic discipline is on the cultivation of that transcendental reflection. The chief stress in the meant intuition of revelation — is what is generally meant in the contents within the region of consciousness — not any succentrity, is the avowed aim of Advaitic thought. And the and not through concrete intuition and not through that in the essence or essences so discovered and get in tune remain the apparent truths of the scriptures; and through menutes is supposed to reveal further the essential features in the lectual truths to direct apprehension; but primarily it ारान्ड these, sravana signifies the terminating point of The realization of self, which in essence is pure

phenomenological intuition (i.e., essence-intuition). 138

oriented interpretation of experience. In Advaita Vedânt: considered as the presuppositional ground in the subjectively appearing in the shape of conscious states in individual mine subjectivity implies two steps - (1) Consciousness is no subject (experiencer or knower). Consciousness in essence cit indicates consciousness as transcendentally substantive subsisting consciousness would necessitate an analysis of consciousness as a distinct principle. The possibility of selindependent of extrinsic factors - objective or psychologica such states. (2) Consciousness should subsist by itself empirically determined. It presuppositionally stands behin Consciousness would mean phenomena which pertain to the would mean stressing the subjective side rather than that o objectively determined relation. It may prompt us to knowledge-relation itself. Knowledge-relation is lik determination and objective reference. These two steps impliproposition I have the knowledge of X'. And in the latte proposition "This is X' may give place to a more reflective pertaining to knowledge has to be recognised. The simple the object. Accordingly, the peculiar feature of 'reference': reversal of the attitude in which the object is cognised. towards something other than the knowing consciousne proposition, the 'of' - ness implies that there is a reference: This would signify its subsistence independent of empirica The phenomenologists would call it "intentionality". 139 itself is indicated by the reference character of knowledge X. To posit an object amounts invariably to directednes In Advaita Vedānta, cit or consciousness can be

reveals, illuminates, or evidences. The domain of objects real or ideal, the mundane order is not created by a Godhea Brahma-sutras, 140 Sankara raises a question regarding th ignorance) is held responsible. In his commentary on the In the Advaita Vedânta, consciousness simply manifes:

times of the concepts 'existent' and 'non-existent' ा ारणांख Vedānta, the content of illusory experience has an and of deciding whether a thing is possible or impossible mericable' status such that it cannot be subsumed under

but avidya or ignorance (or Māyā, in the standard usage, cosm well if an object are attributes manifested by Brahman. The THE LETTE Brahman as their basis. Known-ness and unknownassist or reflection of intelligence is needed in order to enable remainion, because they are not facts of the present time. resumption and non-cognition. Perception is possible only ARTHE OF six ways of knowing or the mode of knowing the militaires the activity of ābbāsa, and the second sentence marries ration. This is a pot' and I know this pot' - the first From the statements, 'I know the pot' and 'I do not know the terretized. The events of yesterday are not objects of ings which are present and are capable of being with - perception, inference, analogy, verbal testimony, runce to Brahman as a reflection to its image. The Advaitin minimizence there cannot be the generation of the abhasa which the senown-ness of the object. Without the abhasa there minutes that Brahman is the basic intelligence which accounts the threet, assumes the form of the object and invests it with tower is termed cognitive wrth; and that part which pervades FIGT is called egoity; that part which connects egoity with the a This part of the internal organ which is defined by the The same internal organ resides in the body, goes out through I am the connection of the cognizer and the object cognized. For the Advaitin, wrth is the modification of the internal organ unity and holds that nescience is the cause of all empirical THE The the perception of the object, and without Brahmanthe theracter of objectness is known as fitness for me manifests of the senses, pervades the object and manifests municipies itself in the form of the world of diverse kinds and the constraint of the committee of the committee of the constraint of the constr The indivation describes the possibility of the empirical

reflection is an appearance of which Brahman is the reality.14: intelligence which in turn illumines the objects. The abbasa or in the object of perception is a reflection of Brahman the wtii of the intellect to illumine the object. What is generated

assuming the form of the object is called vrti. 142 sense-organ, and is modified into its form. This mental mode mind (antabkarana) goes out to an empirical object through a is called the object-consciousness. In external perception, the consciousness. When it is determined by an empirical object it determined by mental modes and it is called knowledgethe subject-consciousness. The eternal consciousness is Brahman is the eternal consciousness. The empirical self

the pure particular and hence true perception is an ineffable is also not presented. We can perceive what is absolutely simple, of parts and all the parts are not ever presented. Their aggregate since all the parts of a physical object are not presented According to the Buddhists, a physical object is an aggregate The Buddhists describes ordinary perception as inferences

non-cognition or anupalabdhi as the valid means of knowledge with the gaugia is acquired by comparison. Advaita also admits similarities to the cow. This knowledge of similarity of a cow to the cow. He goes to the forest, finds the gavaya and notices its similarity. A person is told that the gavaya, bears a resemblance pervaded. Comparison is the means of the knowledge of probans and is called vyapya. Fire is pervader and smoke is the the vyapaka (pervader); and that which is pervaded is the probandum. That which pervades is the probandum and is called knowledge. Vyapti is the concomitance of the probans and the cognition that there must be fire on the hill which has smoke is concomitance of the probans with the probandum. The (knowledge of pervasion) is most important in inferential the classic example of inferential knowledge. Vyapti-jnana Inference is produced by the knowledge of invariable

> # 1 valid means of knowledge. The Advaitins regard Truth as : Terricular person is alive and he is not to be found in his house, ाः रहेhicles of thought. According to Advaita, verbal testimony Fren we say, 'I had a comfortable sleep; I did not know anything receive. 144 The Advaitins trace this method for explaining Thirds something intelligible by assuming something else. When sustence of something if that something must be capable of recastence of something like a pot is known through nonmen, in supposing the existence of an objectless blissfu : Explain the memory we have on rising from a dreamless sleep renenced facts in supposing some unperceived facts. In order Ten it is assumed that he must be somewhere outside his resumption or arthapatti is that process of knowledge which and notificative. Only purportful Scripture is authoritative Test regard that all texts of Scripture are not equally Example alone is real and it is made known by verbal testimony revealed by Scripture is important. According to Advaitin eng cognized. A sentence is composed of words. Words are ுழாய்on. Non-cognition can provide knowledge of the non-

Tare consciousness itself. 146 are even at the bodily level - is ait absent. Sankara contends near from the bodily level and ultimately proves to be the passible nicecates the innermost self that comes out in stages of reflection - - - In of essence, progressively detached from the corresponding stage of reflection, ait as the 'possible' comes out in greater The normal states of man - from waking to deep sleep. With The consciousness is found to persist in and through all the ===nomenal states of experience. At no stage of reflection-Esolute reality. Cit is sought to be traced in and through the recent of possibility in transcendental reflexion, but also claims empirical implications. The import of 'thou' (tham) in Tathum as In the Vedantic context, Cit presents not merely the highest



Quantum Theoretical View of Reality

Quantum theory is a revolutionary tool that allows us to calculate statistically a wide variety of atomic properties¹⁴⁷. It is a theory of microscopic world. The term 'quantum' represents the microscopic unit (especially of energy).

The development of quantum mechanics in the beginning of the twentieth century was a unique intellectual adventure, which changed radically the former concepts of classical mechanics used to describe the physical world¹⁴⁸.

The quantum mechanics was discovered as a result of the efforts of the scientists to explain the distribution of energy in black body (a hollow cavity whose inner walls are completely black) radiation. An ordinary body exposed to radiation absorbs some of it and reflects the rest. A black body is that perfectly absorbs, and then re-emits, all radiations falling on it. It can be shown that the way in which the radiant energy is distributed among its various frequencies (spectrum) is independent of the construction of the cavity and depends on the temperature only¹⁴⁹. Rayleigh and Jeans calculated the spectrum and the results were disastrous. The high frequency vibrations were associated with the infinite amount of energy which did not merely contradict the experiment, it made no

"EXERCITE A year later a most peculiar way out of the difficulty was found by Max Planck. Rayleigh and Jeans, who did their mutications by different methods, had both supposed that the energy is seeped (entered) in and out of the black body in a patient planck supposed that the emission and absorption to make Planck supposed that the emission and absorption of make Planck supposed that the emission and absorption of make Planck supposed that the emission and absorption of make Planck yould take place in the form of discrete underly by where v is the frequency of radiation and 'b' was after the name of its discoverer. The high frequencies were tamed and a spectrum calculated which proved to be in perfect agreement with the experiment. By this daring stroke Planck which proved to be in perfect account absolish the UV catastrophe.

reste and a particle. After twenty five years of this dilemma one could understand how something could be both a established the wave-like character of light and illievements of the nineteenth century physics had = apparent paradox. Because most of the outstanding the metal surface. But Hinstein's success put the scientists mildes on an electron, the electron gets excited and ejected is hen a photon having a frequency above a critical value refrices called 'photons', each having a quantum of energy modemed the way in which electrons were ejected from metals rutted persistent. Einstein in 1905 used Planck's ideas to reserver, later investigations showed that the quanta were ii. Larity about the persistence of the quantum structure the first sight there was e incident beam of light. Einstein explained the effect in merolicable by classical wave nature of radiation. The effect energies the photoelectric effect which had proved initial terms. He suggested that light is made up of lots of Ine value of 'b' is a very tiny quantity on the scale of

when it expresses as a wave, but we can never exactly measure them at the same time. manifests itself as a particle, or we can measure its momentum the exact position of something like an electron when it at the same moment. This is the nub of Heisenberg? complete in itself and both are necessary for a complete Uncertainty Principle which states that-either we can measure picture of reality, it turns out that we can never focus on both way that matter can manifest itself. Since neither 'state' is both waves and particles are equally fundamental. Each is a with micro objects such as electrons which had hitherto beer Broglie proposed a way in which waves must be associated a formalism which if interrogated in a particle-like way gave thought to be of purely particle nature. For quantum physics wave behavior. In his Ph.D. dissertation Prince Louis de particle behavior and if interrogated in a wave-like way gave mechanics to Maxwell's electromagnetic theory and derived this discrepancy within itself. He consistently applied quantum Paul Dirac showed that quantum theory had the remedy for

Heisenberg's uncertainty principle at once demolished the two classical concepts: causality and objective description of reality. The first aspect of the principle is that the Newtonian laws of cause and effect are not applicable in the quantum world. The second aspect supporting the subjective reality states that we cannot observe anything without changing it. A purely objective description of the subatomic world is impossible 150. According to Copenhagen interpretation, there is no reality independent of the observation of the observer. The quantum "reality" is altered by an observation and whatever appears as the reality is a product of the interaction of the observation with the system observed. The observer is, therefore, a part of the reality he is probing. The element of conscious choice in observing reality as X or not —X implies that any picture of an observed phenomenon must

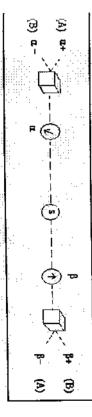
Figure 1. This phenomenon has been described by the himself detached from the system under observation, mesciousness is the ultimate reality. According to physicist reconsion "It was not possible to formulate the laws of □□⊆sciousness of the scientist are intimately connected to each
 □□⊆sciousness of the scientist are intimately connected to each
 □□□ itima of existence. The objective reality must be ments he is both the 'actor' and 'participator' in the quantum ited A. Wheeler, an observer of classical physics can no more and a world led to the conclusion that the content of the rinde the observer's mind. In this connection, the Nobelr. == consciousness (of the observer). The very study of the हार द्वारामा mechanics in a fully consistent way without reference : ____iective' - that is the objective reality and the subjective in incident and in the control of the observer in the winning physicist Eugene Wigner deduced the following in the Line of Talbot in his book 'Mysticism and New Physics' as

z: such 'hidden variable' nullifying Heisenberg's uncertainty ___cen variables. However, until the time of Einstein's death responsible for this uncertainty. One of the interpretation there must be a 'hidden variable' somewhere which is raning¹⁵¹. So he opposed tooth and nail the principle of and in his opinion, there is something below these superficial in addition to the wave function, a set of parameters, so called complete description of a system at a given time requires standinger equation, but that description is not complete monom fluctuations and the occurrences of chance events. rescribing a system changes with time according to the in plems 152 in quantum mechanics is that the wave function Enappearance of uncertainty and unpredictability at the recertainties, and that deeper 'something' keeps the universe the statistical variations, the Einstein believed in an objective reality. He did recognize just one particle alone. Consequent to the measurement there whole system, even though we might think we are dealing with measurement, the measuring apparatus interacts with the Entanglement as coined by E.Schrodinger. When we do a no matter how far they are apart. This is the Quantum talk of a total wave function for the system of two particles, According to Bohr till a measurement is made we can only the particles, even they were distant from one another could not speak about the individual properties of each of reasoning155 and claimed that in such a quantum state one causality and locality to it 154. Neils Bohr contested the EPR additional variables (Hidden Variable) which were to restore quantum mechanics was not a complete theory. Einstein proposed that the theory should be supplemented by precise values of these quantities, EPR concluded that Since quantum formalism cannot give simultaneous and values of position and velocity even before the measurement and so the second particle must have had well determined on the first particle does not disturb the distant second particle a measurement on the first one would give an accurate other one. Similarly measurements of the velocities of the on one particle would give with certainty the position of the give values symmetric about the origin, so that a measurement measurement of the velocity of the other. But measurement two particles would always yield two opposite values so that They showed that measurements of the positions would always two particles are widely separated and no longer interact correlations both in position and in velocity even when the of certain two particle states for which one can predict strong showed that the quantum formalism permitted the existence description of physical reality be considered complete? 153 principle was found. In 1935, Einstein, Podolosky and Roser (EPR) in their paper entitled 'Can Quantum-Mechanical

recomes a mere product of the separate wave functions of the two particles. Bohr objected the classical version of reality that a particle can have properties even though they have not them measured. He opined that if no observation is made, a particle cannot have physically real properties.

In 1952, David Bohm suggested 151 that the EPR proposition might be verified by experimental measurement if spin, which was accordingly tried by John Stuart Bell in 1954. Bell carried out his test with the 'local realistic' view of the world. Bernard d' Espagnat, a theorist of university of 1921; defined this view on the basis of three fundamental 1922 issumptions, viz. a) things exist regardless of whether 1924 observes them; b) consistent experimental 1925 observations lead to a general conclusion and c) no signal 1925 in propagate faster than the speed of light.

Bell derived a mathematical formula, an inequality, which could be checked experimentally. He considered the spin tersion of the EPR experiment, analyzed statistical correlations between observations of two particles and fieduced the inequalities. Bell showed that the inequalities relationships) hold between the joint probabilities of the different outcomes of spin measurements. Therefore, to have an idea of actual probability, a series of experiments with impropriate statistical analysis is necessary.



[Figure : Photons A and B are moving from the source 's' and after passing through the analyzers their spin components α and β are detected on detectors as α_+ , α_- and β_+ , β_- respectively.]

is disentanglement, and the wave function of the system now

Bell considered a pair of spin ½ particles in the singlet spin state and moving freely in opposite directions. We can illustrate the Bell's inequality described by Polkinghorne^{157, 158} as follows: We set up an apparatus in which a pair of protons, A and B, are produced in a singlet ($\uparrow\downarrow$) state. The protons separate and each passes through an analyzer which can determine its spin along one of the three directions labeled as α , β , and γ .

 $\alpha_+(\beta_+, \gamma_+)$ for spin up; $\alpha_-(\beta_-, \gamma_-)$ for spin down.

 β_- for A, so that A certainly has α_+ β_- and it must be in one of the two states : $(\alpha_+, \beta_-, \gamma_+)$ or $(\alpha_+, \beta_-, \gamma_-)$. From this sort of consideration, John Bell's test can be realized as follows: Because of the singlet condition we know that β_{\downarrow} for B implies we measure α for A and find it α_+ , and β for B and find β_+ . proton but we can fix two of them simultaneously. Suppose possible states: $(\alpha_{+}, \beta_{+}, \gamma_{+})$, $(\alpha_{-}, \beta_{+}, \gamma_{+})$, $(\alpha_{+}, \beta_{-}, \gamma_{+})$, $(\alpha_{+}, \beta_{+}, \gamma_{-})$, determine experimentally all these quantities for a given physical reality for the other components, we will have eight measurement of the a component. Similarly if we deduce their respective real properties even when we make no property of A and a is a real property of B. These will be $(\alpha_-, \beta_-, \gamma_+)$, $(\alpha_-, \beta_+, \gamma_-)$, $(\alpha_+, \beta_-, \gamma_-)$, $(\alpha_-, \beta_-, \gamma_-)$. We cannot indicates the existence of local reality; that is, α_+ is a real cancel each other. If A is a, then B is a, or vice versa. This are made simultaneously and independently. At every measurement of the two a components, they were found to The measurements on the spin components of A and B

Let N (+++) be the number of particles in the test with $(\alpha_+, \beta_+, \gamma_+)$; etc. Let N (α_+, β_+) be the number of particles with α_+, β_+ and γ unspecified; etc. Then

 $N (\alpha_{+}\beta) = N (+ - +) + N (+ - -)$ y is unspecified $N (\alpha_{+}\gamma) = N (+ + -) + N (+ - -)$ β is unspecified $N (\beta \gamma_{+}) = N (+ - +) + N (- - +)$ α is unspecified

Since all the N's are non-negative, it follows that $N(\alpha_+\beta_1) \le N(\alpha_+\gamma_1) + N(\beta_-\gamma_+)$

After a long series of such measurements with a large timber of pairs of protons at random directions we add up to the number of instances in which a particular combination of times that the proton has α_+ and the other then has β_+ would be a number $\alpha_ \beta_+$); etc. Bell then showed that

 $N(\alpha_+\beta_+) \leq N(\alpha_+\gamma_+) + N(\beta_+\gamma_+)$

Repeated experiments consistently showed that Bell's are qualities were violated by quantum mechanics but respected by hidden-variables theories i.e. local realistic respected. In a local theory, experiments can be discussed in a respected region of space and time without worrying about any precent occurring in other distant places. A non-localised respectively has an alternative way of saying that anything we do respectively will have an effect at other places which will get with respace.

The implication of the experimental violation of Bell's neguality was that the notion of objectivity and local causality still be rejected. Thus the local realistic view of the world reas unacceptable to quantum physics. All the quantum physics are in intimate and remediate correlation to one another. Since the theorem of the Bell and the subsequent experiments of Aspect and his proposed features. These non-localised features remain hidden a quantum mechanics and do not seem to allow us to send assantaneous signals. However, if quantum theory is to be codified for solving the measurement problem, this hidden to be physicist Wigner¹⁵⁹ proposed that the consciousness is the observer plays the role of hidden variable in

of the observer is directly responsible for the ultimate when the impression enters our consciousness the wave Associated with illusionary māyā, the impersonal Brahman of phenomenal world is the result of mental objectification philosophy of Vedanta which points out that the illusionary knowledge of the external reality. Such assertions parallel the function is altered 160. Wigner asserted that the consciousness unpredictable till the impression enters our consciousness one gains as the result of an observation, modifies the wave object can be given as its wave function and the knowledge is observation without the intervention of human consciousness quantum mechanical process cannot be made by any Vedanta becomes an objectified 'personal God'161. function of the system. The modified wave function remains based on the impression we receive. The impression which determining the actual outcome out of various possibilities Wigner also says that all possible knowledge concerning ac in an event. He asserts that a complete description of z

of a wave function which evolves according to the the wave function and it is through this interplay that what we Schrodinger wave equation. Our consciousness interacts with world is not 'matter', rather it is somewhat an abstract notion and soul. It was proposed that the existing objects in quantum by asserting that the reality consisted of two things: matter matter. Descartes¹⁶³ also introduced the notion of 'dualism a holistic understanding of reality- including both mind and manifest according to the same principle. He emphasized or of an 'implicate order' in which both matter and consciousness mind and matter, soul and body. David Bohm 162 had an idea scientific thinking derived from quantum physics could Some scientists and philosophers appeared to believe that provide an explanation of consciousness. The western thinkers They thought that there are some kind of distinctions between believed that consciousness cannot exist without contents

> retailed working of the universe. Ests even in insentient objects. Evan H. Walker 6 speculated ritual realization of the pure subject, that is, pure =editation, leading to eventual control and overcoming of Escrete, conscious, non-thinking entities are governing all the e photons. He remarked that an unlimited number of = at consciousness may be associated with the quantum entities mails thilosopher of India, has proposed that consciousness consciousness devoid of contents¹⁶⁴. Sankara¹⁶⁵, the nonfiemical world. The final goal of the eastern thinkers is the == mind. There is a harmony between the intellectual processes the rational mind and the inner structure of the physicorements have been dissolved through deep and prolonged The consciousness is, ultimately, self sufficient and can recur. This model suggests that all the physical systems are rean and the complexity and sensitivity of brain allow it to FOW as matter appears. This interplay takes place in human ====!! in itself in state of perfect awareness. The non-subjective massious' to varying degrees. The eastern thinkers thought

The Aspect experiment¹⁶⁷ and its predecessors provide a sufficient clues to build up a holistic picture of the universe. Iney tell us that particles that they were once together in an interaction continue to remain parts of a single system even inough they are separated by long distance at a later time. In the beginning, all particles were interacting in a single system. Hence theorist such as David Bohm and d'Espagnat¹⁶⁸ believe that everything is connected to everything else, and that only holistic approach to the universe can explain the phenomena of the universe.

David Bohm¹⁶⁹ postulates sub quantum models in which pulses like shockwaves propagate superluminally in a kind of ther and establish correlations among separated systems. In order to explain the results of the experiments of Aspect et ... we have to take the help of Advaita Vedānta. The

multitudinous, separate and discrete particles are seemingly unconnected at the surface level which is the substratum of the apparent manifoldness. The substratum is a single one, homogenous, unbroken and all pervading. The unbroken whole is not matter, nor it is energy; it is not particulate; nor is it wavy. It is consciousness. It is not consciousness of somebody or something. It is consciousness itself. It cannot be described in language. It is what it is. It cannot be said what it is. It can be indicated in deep silence at THAT (TAT is Sanskrit).

Dalai Lama¹⁷⁰ mentioned two extreme stand-points in the philosophical theories to explain consciousness. In one extreme, there was 'behaviourism' which attempted to define consciousness in terms of external behavior that reduce mental phenomena to bodily action. At the other extreme end, stood the 'Cartesian dualism' which maintained that the world is composed of matter and mind. The question of consciousness has attracted a good deal of attention in the long history of Buddhist philosophical thinking. According to the earlier scriptures, Buddha saw consciousness as playing a key role in determining the cause of happiness and suffering. 'Dhamma pada', the famous discourse of Buddha, stated that mind is primary and pervades all things.

In Buddhist philosophy of mind(sem), we find discussion of six types of mental phenomena: experiences of sight, hearing, smell, taste, touch and mental states. The first fives are sensory experiences and the last one covers memory, will, volition, imagination etc. One division of Yogācāra school argued that the mental perception is too transient and contingent to account for the profound unity we observe both in our subjective experience and in our inherent sense of selfhood. They posit that, underlying all these fluctuations, contingent mental states, there exists a basic mind that retains its integrity and continuum throughout the life time of an individual. This is the 'foundational consciousness' which is

in basis of all mental states. However, the Middle Way School is uncomfortable with this implication of 'foundational consciousness'.

Suddhist perspective, this mental realm cannot be reduced mought processes, sensory perceptions, emotions etc. From spattotemporal locality, from Buddhist point of view, the first The second realm is the subjective experience, such as our ranous fields (electromagnetic) and force of nature (gravity). realm of reality includes phenomena like subtle particles, the eddition to the manifestly material objects- such as extension, ere broad consensus between Buddhist thoughts and modern Mind (Subjective experiences) and 3) Abstract composites Buddhist Philosophy. Buddhism suggests¹⁷¹ that there are Buddhism is proposing the version of Cartesian dualism that not much difference between these two investigative paths. In science. As to what constitutes the world of matter, there is riree distinct aspects of reality: 1) Matter (Physical objects), agression on the basic classification of reality proposed in To features of luminosity and knowing, one might assume However, in talking about the mental phenomena having these ⇒ allay the limits of language in dealing with the subjective Many of the Buddhist texts explain the nature of consciousness Mental formations). In defining material phenomena, there clieve from any possible confusion Dalai Lama made a slight here are two independent substances- matter and mind. To in consciousness, as in light, there is a quality of illumination. in terms of metaphors such as light or a flowing river in order thenomena possessed of these two features count as mental. esculty to perceive or apprehend what appears, All reflect and 'knowing' (cognizance) refers to mental states' 🗅 express consciousness in Tibetan monastic education. and knowing'- is the common dictum recited by the monks aminosity'(clarity) refers to the ability of mental state to The definition of the mental is that which is luminous

to the world of matter. The third realm of reality, the abstract composites, can be characterized neither as physical (first realm) nor mental (second realm). Phenomena such as time, concepts, logical principles, which are emergent features of our mind, belong to this third world. This taxonomy of reality is almost identical to that proposed as the first world, second world and third world by Karl Popper¹⁷².

neurons fire vary according to definite statistical laws, just make electrical contact with other neurons). The levels at which concentrations determine the level at which neurons 'fire' (to surrounding nerve junctions (neuron synapse). These are like quantum processes and consciousness can be explained of the universe. Bohm¹⁷⁴ suggested that thought processes composed of the same material, as are the inanimate objects computational physical processes taking place in the brain. of consciousness can arise only in the presence of some non-Orlov¹⁷⁶ opined that in any kind of creative thinking, quantum all of which are common features of consciousness. Yun like any other quantum process. Ninian Marshall¹⁷⁵ atgued through random variations in the chemical concentrations indeterminacy is built into the functioning of the brain, quantum level behavior, including indeterminism and nonphoton and thus sensitive enough to be influenced by odd brain are very sensitive to register the absorption of a single working on the retina discovered that nerve cells in the human and functioning of the brain. At that time biophysicists in terms of quantum mechanical features in the actual structure inanimate matter, since living human brains are ultimately processes would also have to be inherent in the action of for the free play of thought processes, free will or intentionthat the determinist laws of classical mechanics left no room local effects. Further experiments proved that quantum One must presume, however, that such non-computational Roger Penrose¹⁷³ had the opinion that the phenomenon

Endeterminism and superimposed probability states must be be all at once in the brain's openness to all the potentialities attent in consciousness- for examples our ability to see many possibilities all at once. However, out of a given set of quantum possibilities, only one can exist in the 'real world' which is materialized by our free play of thought.

parts of an ordered system merge in such a way that their system is a system of vibrating dipoles (molecules in the cel seems to satisfy all the necessary criteria. Frolich's pumped such mechanism that functions at normal body temperature somehow taking on the characteristics of superconductor. suggested that consciousness might depend on the brain in common is some degree of coherence, such that many of fluids, laser light etc. The property that all these things have condensed phases of materials such as super conductors, super amongst dynamic processes of nature, but occurs in has an orderly set up of various thoughts and perceptions. individualities are lost making them 'whole'. It is certainly the put themselves into the most ordered condensed phase -acauses the molecules to vibrate in the same pitch. And finally vibrating dipoles emit photons as they jiggle. Beyond a certain wall of living tissue) into which energy is pumped. The Herbert Frohlich¹⁷⁷ and known to exist in biological tissue, relevant to consciousness, then there would have to be some temperature. If the physics of condensed phases is to prove temperatures, whereas brain functions at normal body However, superconductors exist only at very low the constituents of the substance behave as one. Various people unbroken wholeness. This kind of settled uniformity is rare Bose-Einstein (BE) Condensate'. In this BE condensate many threshold, any additional energy pumped into the system And in fact, the 'pumped system' first described by Professon This orderliness gives our consciousness a character of The background state (steady state) of all consciousness non-local quantum phenomenon. holistic property. This we would expect, if consciousness is a destroyed and consciousness is sufficiently affected to lose its after a massive brain injury, a large section of the brain is damage to the optic area destroys sight, the auditory area in the same manner from such localized injuries. It is only destroys hearing etc. But consciousness itself does not suffer interruption in certain specific functions of the brain neurons. Any damage in a certain part of the network causes computation mechanism with a network of millions of cat of Schrodinger spread its ambiguous being out to fill the brain suggests that, consciousness arises from the brain's entire box which enclosed its secret. The computer model of one spreads itself all over the whole, just as the alive/dead become indeterminate in their spatial location such that each previously individual bits have overlapped - they have mechanically one would say that wave functions of the quantum mechanical effect in large-scale systems. Quantum where individuality breaks down, that we can find distinctively found in BE condensate. And it is only in such condensates, information must entirely overlap. This kind of unity is only brain states become identical. All their properties and all their To bring all these together, it necessitates that the separate there are at least one hundred different bits of information. must unite them all. In each one of these states at any moment, these mini conscious states by one integrated self, something conversation while continuing to drive a car. To experience consciousness- for instance, the experience of carrying on a case that one person can possess two or more states of

Pure consciousness is defined in Advaita Vedānta as 'Brahman'¹⁷⁸. Brahman is the 'akhanda' that is the unbroken wholeness and is the reality. According to Advaita Vedānta, everything in the universe emerges from and dissolves into space. Space is not a void; it is not inactive too. Space is equally

only one substratum which is unbroken whole. P2 in area B. There is no area which is beyond Brahman. All transfer of information from particle p₁ in area A to particle level since everything of the universe has got only one support, the areas in the empirical universe are connected at the deeper Consciousness. There is no question of propagation of signal the deep sea-the Brahman, the Unbroken, the Pure below and apparent phenomenal surface, the substratum is the surface only¹⁷⁹. The underlying principle, the support world are waves, ripples and bubbles that are appearance on or space. The multiple manifestations of the phenomenal Brahman, but we cannot trace it in matter or energy, particles in creation and disappears in dissolution. What is real is and the final receipient of the universe, is not real; it appears nacro, gain consciousness through this Māyā or mulāprakrih manifested Māyā. All the created things, whether micro or dissolution respectively. Apab is manifested from the unevolute and the last involute in the process of creation and involution through the reverse sequence. Apab is the first primeval nature of Māyā). Māyā, the source of the universe involved in the process of evolution through the sequence is the bee-hive of activity in the micro world and is actively ective as matter in determining reality. The presence of "spah (primeval water) → prana → akasa' and in the process of material body changes the shape and geometry of space. Space

We may correlate the concept of Advaita Vedānta with the idea of some modern physicists. David Bohm writes 180: "Parts are seen to be in immediate connection, in which their dynamical relationship depends, in an irreducible way, on the state of the whole system (and, indeed, on that broader systems in which they are contained, extending ultimately and in principle to the entire universe). Thus one is led to a new unbroken wholeness which denies the chemical idea of analyzability of the world into separately and independently existing parts".

a Buddhist shira as - Form is emptiness, and emptiness is indeed in the phenomenal world. This concept has been expressed in possess182. It is the essence of all life; it gives birth to all forms lack independent identity we tend to assume that they be formless, empty or void 181. However, this emptiness (sunyatā) in these phenomena is beyond all descriptions; it is often said to physical phenomena are sprung out. The reality underlying are considered as the ultimate unified field from which all the reality. The Brahman of Vedanta and Dharmakaya of Buddhism physical entity; a continuous medium which is present 'nonexistence' but rather that all entities, including ourselves, Buddhism, especially in Mahāyāna Buddhism, does not mean theory. The eastern thinkers consider this entity as the only fundamental entity- this is the basic element of quantum field transient and illusionary manifestations of an underlying everywhere in space. All physical things and phenomena are The concept of 'quantum field' is seen as the fundamental

quantum theory seems to be describing a 'participatory electron behaves as a wave or a particle depends on the type exception are empty of intrinsic nature. In quantum theory, of experiment which is being decided by the observer. The the observer does not play a purely passive rule. Whether an to it. In contrast, for Mādhyamākā all phenomena without properties of an electron, such as its rest mass etc., are intrinsic not intrinsic. In quantum theory, however, some of the performed. In Mādhyamākā too, attributes are relational and electron itself but also on the type of experiment that is being argument by Mādhyamākā Philosophy¹⁸⁴. In quantum theory many of the properties of, for instance, an electron is not emptiness in discursive ways which are being used in systematic intrinsic to the electron itself. They depend not only on the especially in Mahāyāna Buddhism. Some of its sūtras expound Emptiness (sunyata) is a key concept in Buddhism,

Eniverse¹¹⁸⁵. Wheeler puts it as 'No elementary phenomenon is a phenomenon until it is recorded¹⁸⁶. Mādhyamākā has its own version of the 'participatory universe'. In line with the principle of dependent origination, observer and observed exist only in relation to each other. Both of them are empty of any self-contained intrinsic nature. Finally, Madhyaka is intended as a means to liberation. For this reason, it is considered necessary in Buddhism to experience ultimate truth personally rather than simply to understand it intellectually. However, in this regard, quantum theory follows more modest path¹⁸⁷.

Mind and consciousness are prime to both Advaita and Buddhist phenomenology as well as to modern quantum phenomenology. In the *Dhamma pada* ¹⁸⁸, mind is given highest priority e.g. it is said,

"All experience is preceded by mind

Led by mind

Made by mind....."

David Bohm¹⁸⁹ has drawn a beautiful analogy between quantum nature of electron and the working of the mind. When one tries to measure the momentum of an electron, it changes due to interaction with the measuring device or when position is measured, the wave function does not remain same for similar interaction. Similarity if a person tries to observe his thinking process on a certain subject/matter, the original train of thought gets derailed without our deliberate effort "Thus, thought processes and quantum systems are analogous in that they cannot be analyzed too much in terms of distinct elements, because the 'intrinsic' nature of each element is not a property existing separately from and independently of other elements but is, instead, a property that arises partially from its relation with other elements".

Another important concept developed by Bohm is the quantum properties of matter as potentialities, development of which depends on the systems/devices with which the

behind the phenomenal world¹⁹¹ whether the electron's position changes with time, we must say 'no'; if we appropriate to quote Robert Oppenheimer¹⁹⁰ regarding the potential aspects is the outcome. Hence, the reality cannot be is also available in describing Brahman, the ultimate reality ask whether it is in motion, we must say 'no?" Similar echo of idea position of electron remains the same, we must say 'no', if we ask full description of electron " If we ask, for instance, whether the holistically, and whole universe is entangled. It may be pin-pointed or compartmentalized, it has to be experienced with which electron interacts determines which of these show wave like character, at the expense of particle like nature character becomes trivial. Alternately, it has the potential to the reality depends upon the observer i.e. the kind of device by interacting with a device which detects particles. Therefore it interacts with a position indicating device its wavelike object interacts, and the object itself. The same electron however, potentially capable of showing particle nature when

'It moves. It moves not

It is far, and yet it is near

It is within all this

And it is outside all this." (Isa Upanisad, 5)

Thus the reality is an entangled whole to be experienced. To quote another quantum physicist Erwin Schrödinger¹⁹² tegarding the singular nature of ultimate reality "The only possible alternative is simply to keep to the immediate experience that consciousness is singular of which plural is unknown; that there is only one thing and that what seems to be a plurality is merely a series of different aspects of this one thing, produced in a gallery of mirrors, and in the same way Gaurisankar and Mt. Everest turned out to be the same peak seen from different valleys".

Similarly the Buddhist idea of 'Sunyata' is the planum of infinite potentiality, although, apparently it appears to be void. It describes the emptiness or non-existence of any intrinsic

Eature of things, thoughts and objects. To quote David Bohm¹⁹³ "In fact, quantum theory requires us to give up the idea that ise electron, or any other object has, by itself, any intrinsic properties at Instead, each object should be regarded as something containing only excompletely defined potentialities that are developed when the object exteracts with an appropriate system."



Epilogue

is that of consciousness of subjectivity regarded as reflexive of ego is considered as the unity of the conscious life. Advaita Vedānta and Buddhism, in both systems the primitive notion is based on the existence of the external world. The notion world is not mere an idea and the idea of the external world false and the real is Brahman. But he says that the external deducible from the content or form of consciousness. Advaita Vedānta, Sankara admits that the external world is status rationally undetermined (anirvacaniya), their content not consciousness remain inexplicable facts, their metaphysical Advaita Vedanta, transcendence and intentionality of Vedanta, consciousness is essentially non-intentional. In essentially intentional in phenomenology, yet in Advaita an internal, cognizable form. Though consciousness is causal support') of perception is not the external reality, but Yogācāra Buddhist view is that the ālamhana (or 'the objectiveconscious state has a co-relative sense or meaning. But, since the intentional object may or may not exist - that every that consciousness is always directed towards an object, and According to Husserl, Intentionality itself has two parts -

> onsciousness is non-temporal, contentless and overadividual; in Husserl it is temporal flux, full of content¹⁹⁴.

From the above discussion regarding phenomenology, especially from the Cartesian, Buddhist, Advaitin and Quantum theoretical views, we find that transcendental ego of pure consciousness is the essence of all things. Both in Indian and Western standpoint, even in physical science, sunyatā or nothingness is not considered as mere nothingness, it is full of potentialities. But this sunyatā is inexpressible.

We may say that phenomenological interpretation will lead a very significant area of philosophy. As philosophy consists of reflection on human being's experience in relation to himself, to other human beings and to the world; so phenomenology will give new and purely novel light to the philosophical problems both old and new regarding man's everyday experience of the world. And it may be the new Philosophical basis for both science and man's life.

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