

Principles of Environmental Science and Engineering

Environment is a part of the ecosystem which forms the base on which the life of all creation lies. Environment has to be explored to find the connections to carry on life with the evolving changes and it is to be observed that nothing could be sustained and accommodating the progression is the basic trait of evolution. Land, water and air are the basic components of environment and they all have their own undulations, ups and downs, to remain connected with each other and none of them can be viewed as separate to have effective solutions for the threats. The environment forming the base of life, has its due reactions for the anthropogenic activities as engineering interventions to find their comfort and sophistication in the process of which they give out a lot of pollutants as waste matter which need to be in the form that can be easily accommodated by nature.

Pollution is actually the concentrated form of the impurities segregated from the natural elements, that they are not foreign materials which need to be assimilated but they are the concentrated form of impurities which need to be accommodated, reacted upon to get purified, made inert and made to be of same quality to get mingled with the surrounding or to get their concentration diluted to remain harmless. The waste handling is discussed enough for the third dimensional perspective to make the same simple and solid waste management is inclusive. The simple idea that underlies the treatment options is, nothing is manmade, nothing is foreign or synthetic to nature, and everything is taken from nature, in various combinations of basic elements subjected to physical, chemical forces, to evolve as a new material either by induced environment or by natural environment and that it has to get the deceleration to become naturally treatable when given out, which makes the difference.

Basically nothing is beyond the scope of nature to be accommodated. When we make a material with induced forces, we need to induce neutralizing forces to make them inert before they get into nature, or they take their own time to get the balance of its span in the resting time. When the life span is rapid, the destruction span becomes slow to balance the period and that is what we face with plastics, recalcitrant, heavy metals and toxic chemicals. They get into sedimentation and encapsulation with the man induced processes which will not harm nature and hence control must be to encapsulate either with lime, cement



or clay. That is why we burry even radioactive and biomedical wastes deep into the soil.

Any waste can be simply burnt to use its complete potential energy to the ultimatum and by availing final core as heat which is there in radioactive substances too, when they lose their efficiency to radioactivity, we make it to avail the heat energy that the wastes will be utilized for their life time effectively. The interrelationship between the environmental components and natural creations form ecology and they should not be limited to living things but all creations to include psychology in ecosystem management. The human activities are to the excellence if mind is applied and not the brain, if conscience and openness is applied and not intelligence and consciousness.

The various organisms and their existence with natural selection and adaptation makes the evolution ever dynamic and no ecosystem has reached its climax since the versatility of biomes, organisms by their connectivity makes always the ecosystem to take new forms, to their might to the finer micro levels when a stationary phase of growth has reached. The biodiversity provides a platform to get over the difficulties, to move to a comfortable zone and to fight against enemies to retain their mass, to make the ecological balance with biotic potential and environmental resistance complimenting each other. This can be related to any life cycle, any form of existence in the universe and nothing goes beyond this theory and nothing goes untouched with this theory.

When there is good, there is equally bad and to maintain progression, the bad has to be engineered to good and when sustenance is needed both have to be balanced. There can be balance only when the external force is negligible or not taken into account, and the environmental resistance and biotic potential always will have an influence on the ecosystem and can be in balance only in ideal situation. Thus climax ecosystem absolute to its meaning is ideal. The life style, the reinforcing element of life till this time, had a limitation to stay away from bad and to stay good as ethics, that we faced sustenance only, which is against evolution and hence it took the reversal to boost the bad, thus the calamities. We need to shift to engineer bad as good, beyond limits, that we progress towards natural serenity and tranquil atmosphere. The ethics now is to remain strong against bad and to promote good by being good, where attacking bad to bring it to good is unnecessary. We will live if we take the life as it goes without



controlling the flow for our goals as we cannot predict what awaits for us, as our due for our existence, which will be taken as the time warrants, for we are tools to nature to keep the civilization upgraded. Thus we don't need preparedness, but openness to accept things and to evolve from the same by being transcendent, when this is reached we will see nothing is impossible.

All creatures have equality in this world and for the majority of the work load, the connectivity with the community and society are through men, they were of priority explicitly, but the real key lies only with the women and children of a family which is lead by sharing, love and affection. The authenticity of a male as leader of the house is taken as the incubation to make themselves free for the skills of women as reserves in everything as governance, economics, business and conduct of daily routine, and the children viewed as tomorrow's pillars who need to upgrade their skills through experience. The women being the weaker physique were in the back seat with whom really the purpose of social system is.

The cultural changes to gain equality for both men and women had lead a great social calamities, it is to be changed for progression of the society. Every human being holds the respect and equal dignity as constitutional right which is the way they need to be treated. The work ethics if taken as completion of job, and not the punctuality, and the care and affection as fellow is connectivity , not the relationship, the potential and efficiency as key forces for promotion and not experience with physical presence to do the routine, the humanity with originality, creativity, innovation and not the personality, intelligence and influence, will lead to progression of every individual as special and not a single man as leader to emerge out as break through with negative emotions and pull downs.

Women deserve their due right to stay away, work from home, for their regular physical ailments, they have the right to claim for work from home, work with their own schedule during pregnancy and after delivery, they have the right to claim for their leave during the menopause period, provided they propose their work schedule in line with their job requirement and the same becomes individual specific.

The children have the right to live on their own, and the society has its intervention on the wrong side when the parents work and the children left to the



approach of society easily without due supervision of parents. This rapid urbanization and scope to earn more led many to lose balance work all the time, where they lose their personal responsibility, health and for the liberal scope and opportunity, the globalization offers, education can no longer be the deciding factor for one's future, but the same should be the designing force of one's future.

When women and men can claim their own lifestyle and the governance provides opportunity for their proven contribution, the same will progress both women and child welfare which was not reached till this time in spite of several different free schemes. The success lies in inclusion and not in charity. Environment is not our servant and is not in our control, but which is a supreme force which has everything for us, which accommodates everything we give it, be it the waste, surplus or obsolete. It has due place for everything and the anxiety, fear we exhibit over protecting the environment should be changed to awareness, knowledge and spirit of helping with simplicity, when we will be able to help environment really.

It is to be understood that authority, never helps but the conviction. Punishment and regulations never helps but the benefits and practice with conviction, that there will be mindful application of responsibility both in personal and professional life. Self satisfaction makes one to seek professionalism for their potentials to contribute their best that there will be progression everywhere. This simple lifestyle makes one live with peace, satisfaction that gets reflected in his health and conduct with the society. Consumerism is to the lean concepts with minimum of waste, a value to the customer for the money he pays and gives a long life time which conserves the resources too.

The human digestive system should function properly to distribute the functional energy to every part of the body and that depends on the probiotics and prebiotics. The simple food gets easily digested with prebiotic, with lactose bacteria present in the food and that is much beneficial. The probiotics digests fibres, grains which break complex food and are to the complex food forms which do not get adjusted with prebiotics. Simple nature based food with lot of milk make a healthy, youthful living for a long time. Milk contains a lot of growth



inducing hormones and need to be the base of every food we have especially curd and buttermilk.

Self competition makes us ever competent and we need not copy others, as everyone is born free and their original self is unknown to others for whom one cannot frame the life, guide, it is for their requirement, other offers assistance and the life of every individual is in their hand and he has freedom to design his own life without interfering with others that he can be unique and special and live his own life and he forms a component of society not as one among mass, but one with unique potential who could help with openness, knowledge and spirit of helping, to remain simple.

Virtue and celebrity status are not trust worthy, but the conduct and conviction. When this is the life style of everyone, it makes the connectivity easy for others that there will not be complications at all in any facet of life. Consumerism is only for the need and not for the greed and image. Consumerism should be for the purpose ever and not for the involved, adversity, free schemes, marketing and advertisements. It should be for the values and the lean concepts to eliminate wastes, increase life time and efficacy of products. Advertisements and marketing then are replaced by the need based attitude for the value of the product which will bring in the professional ethics.

When the facts discussed above are construed, we come to understand that managing environment is easy and is not by regulations, rules and norms. But every component of the ecosystem is to be connected to get the best. Any matter that exists in three forms as solid, liquid and gas and which need to be used for life of any creation and the modified forms of these should get back to the environmental components which for not having smooth transition gives out pollution loads and shocks felt as anxiety which will not help solving the problem but the responsibility to view the problem with inclusion to introduce the smoothening, transition. It is to be understood the status of environment clearly represents the state of mind of the people and the connectivity as community and society remains as negative with authority, dominance, and ego of every individuals that the same results in pull downs and negative emotions that the life style, growth and development of an individual, family, community and the society to the global level is not what they have as resources with their own contribution and discretion , but the influence of the above said characteristics



that we meet mostly stagnation, disasters, distress, peer pressure, helpless situations, insecure attitude and thus everyone wants to be in masses. It is to be understood that the approach of governance towards the public changes every challenge they face with ease which is facing complexity for they approach the public with authority what they can offer them instead of what the public actually need.

Threads

1. Discuss on the relationship between the environmental components.
2. Discuss the effect of Ecopsychology to improve the attitude of human beings towards constructive activities.
3. Choose a particular type of pollution and discuss on the same from the point of view of Ecopsychology, in line with nature.
4. Discuss on a type of engineering intervention and its consequences. How does the Ecopsychology progress the consequences towards balancing the same.
5. Enumerate the problems associated with solid waste management.
6. How do you visualize the consequences of burning to promote atmospheric changes?
7. Discuss on the hot spot, endemic species, endangered species, and biodiversity conservation. How do you view on this?
8. Ecology is not the right way to understand the evolution, but the Ecopsychology. Discuss on the natural miracles that support eco psychology in lieu of ecology.
9. How do you view the welfare of individual from the influences of society?
10. How can an individual design his own life to establish the constitutional right yet meeting the life standards? How do you establish inclusion maintaining individual dignity?



11. Human health is directly related to personal conduct and self satisfaction. Discuss on this. The perception of life on his own through his own perceptions makes him reach perfection to his level of understanding. Discuss on this.

12. The life of individuals can never be similar that nothing can be for the masses. The same is for meeting the basic requirements, and once the self sufficiency on basic requirement is reached, he must be liberated to offer his best for his own design of his career and life. Only this leads to progression and satisfaction. Comment on this with examples taken from biographies of personalities known to you.

13. What type of life style you would prefer. What are the dreams that are left with you? What prevented you from reaching the same? What do you learnt from your efforts?

14. What type of career satisfaction you aim at. What are the challenges to reach the same and what efforts you take to upgrade your professionalism to reach the same?

15. What are your interests and do you meet them in your personal and professional life. Do they sync or take different paths? What do you feel would make a better scenario to get your best?

16. What type of expenditure draw majority of your earnings. How do you justify your passion? Do you think the consumerism you adopt is progressive? If not, how you will change it.


17. Do you think the need is something which fills the soul and not just the basic requirement that one can move up to live rather than survive for the wide opportunities offered by globalization.

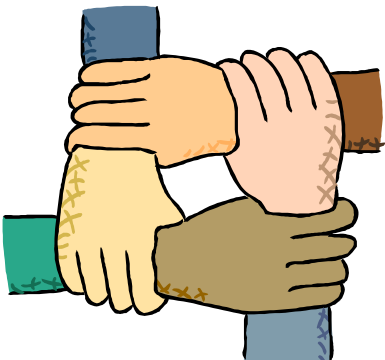
18. The perfect combination of humanity, openness, skill, simplicity, conviction make one live with self satisfaction. Without all these, the intelligence, preparedness, professional competency, favorable environment make one to use tricks and tips which is not progressive. Discuss on this with your views.




19. Conduct a virtual tour on any public activity of your choice, and narrate the key features, problems associated, ideas to make the same progressive.

20. Eco anxiety, simplistic approach and authenticity as authority of governance makes life of an individual under stress always, it is the responsibility of governance to assure hassle free life to an individual, where every procedure of government is complex and unapproachable by common man balancing his everyday life which results in calamities. Discuss the situation and suggest progressive solution.

	<p>Historic society</p> <p>Segmented and dependent lifestyle with authority of dominant over others as head.</p>
---	---

	<p>Pre modern society</p> <p>Spirit of team work used to restrict the growth of individual in the name of symbiosis and resulted in mass response to remain risk free</p>
---	--

	<p>Modern society</p> <p>Competitive with finest differences that the opportunities are viewed what is made popular that there were unhealthy competitions and negative emotions that resulted in socio economic threats and anxiety which brought down the longevity.</p>
---	---





Late modern society

Team work in the spirit of achieving a common goal where one is committed to there, tied to the achievements of others that resulted in a hanging lifestyle when one is underperforming, violating the others are forced to go to his level that efficacy and ethics went down.



Post modern society

People remain connected with self competence upgrading others with compliments, supporting them only in need that they avail ample opportunities which are numerous for each one. For the advent of communication and information technology the performance of a single becomes noted and he gains what he deserves for his own contribution and lives on his own where his role in society is to respond only when needed.

Once the realization is accepted that even between the closest human beings infinite differences of personal and professional skills continue to exist which give them an identity, a wonderful living side by side can grow up, if they succeed in loving the difference of levels between them, use them in absolute need, which makes it possible for each to see the other whole against the sky. Every entity in the universe are connected and not committed that equality and appreciation of individual dignity makes the connection strong and progressive.

