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ON

'RECENT TRENDS AND ISSUES IN HUMANITIES'

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(या नियतकालिकात प्रकाशित झालेल्या लेखांचे किंवा शोधनिबंधांचे अधिकार सुरक्षित असून इतरत्र प्रकाशनार्थ संपादक मंडळाची परवानगी घेणे गरजेचे आहे. मात्र या लेखांमधून अथवा शोधनिबंधातून प्रकाशित मतांशी संपादक मंडळ, सल्लागार मंडळ किंवा प्रकाशक सहमत असतीलच असे नाही. मूळ संदर्भ तपासून घेण्याची विनंती वाचकांना व अभ्यासकांना करण्यात येत आहे. मुद्रणदोषासह कोणत्याही चुकांबद्दल दिलगिरी व्यक्त केली जाईल; मात्र कायदेशीर बाबी कळव येतील न्यायालयांतर्गतच सोडविता येतील.)

General Environmental Awareness Study of Degree College Students studying Biological Science Subjects

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Importance of Environmental Awareness:

Healthy environment has an important role in the healthy living of human beings. As environment is the only home that we have, and it provides air, food, and other needs. Humanity's entire life support system depends on the well-being of all the environmental factors. Environmental awareness evokes the necessity and responsibility of humans to respect, protect, and preserve the natural world from its anthropogenic afflictions. A responsible interaction needed now with the environment to avoid depletion or degradation of natural resources and allow for long-term environmental quality. As a means of bringing attention to environmental issues, a deeper promotion of awareness of environmental stewardship in students is needed. A greater awareness of natural resources, an understanding that resources are finite, understanding the need for energy conservation, so that as a result, students develop a deeper understanding of environmental issues and have the skills to make informed and responsible decisions. Environmental awareness strengthened through education encourages research, investigation, ability to Solve various environment challenges, can frame various directives for environment protection. Thus, through awareness students can test various aspects of an issue to make informed, science-based, non-biased, and responsible decisions. The researcher first conducted the study of the general awareness of degree college students studying biological science subjects. This study is focused to examine the general awareness of degree college students studying biological science subjects.

Objectives of the Study: To check the general awareness of degree college students studying biological science subjects regarding -

1. the branch of biology that deals with the relations of organisms to one another and to their physical surroundings.
2. the regions of the surface and atmosphere of the earth occupied by living organisms.
3. the biotic and abiotic factors within an ecosystem.
4. how each living thing gets food, and how nutrients and energy are passed from creature to creature through food chain.
5. temperature tolerance ability of plants & animals.
6. Causes of reduction of ozone, acid rain, pollution, soil erosion.

Methodology of Research Used for the study: The researcher used survey method of primary data collection in order to test the general awareness of degree college students studying biological science subjects.

Data collection toolused for the study: The researcher used General Awareness Environment Quiz available on the website of JAGRAN JOSH (<https://www.jagranjosh.com>) for collection of data for the survey in order to test the general awareness of degree college students studying biological science subjects.

Statistical toolused for the study: The researcher used percentage as Statistical tool for the study.

Population, Sample of the study: The B.Sc. Students of Smt. SindhutaiJadhao Arts and Science College, Mehkar, Dist. Buldana studying in the year 2019-2020 is the population of



the study. Sample of 50 Students studying biological science subjects is selected by random sample method from the population.

Tabulation of awareness response of Biological Science Students Response:

1. Branch of Biology which is concerned with the inter-relationship between plants and animals is called :				Total
(A) Physiology	(B) Ecology	(C) Anatomy	(D) Morphology	
5	29	7	9	50
2. The largest unit of living organisms on earth is :				Total
(A) Ecosystem	(B) biome	(C) Biosphere	(D) Population	
9	3	35	3	50
3. The two components of an ecosystem are :				Total
(A) Plants and animals	(B) Biotic and abiotic	(C) Plants and light	(D) Weeds and micro-organisms	
8	39	1	2	50
4. The green plants are called :				Total
(A) Producers	(B) Consumers	(C) Decomposers	(D) None of these	
38	4	3	5	50
5. Total organic matter present in an ecosystem is called :				Total
(A) Biome	(B) Biomass	(C) Biotic community	(D) Litter	
3	29	8	10	50
6. Plants are killed at low temperature because :				Total
(A) Desiccation takes place owing to the withdrawal of water from vacuolated protoplasm	(B) Precipitation of cell proteins	(C) Cells rupture due to the mechanical pressure of ice	(D) All the above three are correct	
8	3	0	39	50
7. Which one of the chemicals is responsible for the reduction of ozone content of the atmosphere?				Total
(A) SO ₂	(B) Chlorofluorocarbon	(C) HCl	(D) Photochemical smog	
2	40	3	5	50
8. Acid rains occur when atmosphere is heavily polluted with :				Total
(A) CO, CO ₂	(B) Smoke particles	(C) Ozone	(D) SO ₂ and NO ₂	
10	12	1	27	50
9. Spraying of DDT on crops causes pollution of:				Total
(A) Soil and Water	(B) Air and Soil	(C) Crops and Air	(D) Air and Water	
42	2	2	4	50
10. Soil erosion can be prevented by :				Total
(A) Increasing bird population	(B) Afforestation	(C) Removal of vegetation	(D) Over grazing	
5	35	4	6	50



Findings of the Study:

1. Ecology is the Branch of Biology which is concerned with the inter-relationship between plants and animals: 58% is the percentage of awareness regarding this among degree college students studying biological science subjects.
2. Biosphere is the largest unit of living organisms on earth: 70% is the percentage of awareness regarding this among degree college students studying biological science subjects.
3. Biotic and abiotic are the two components of ecosystem: 78% is the percentage of awareness regarding this among degree college students studying biological science subjects.
4. The green plants are called producers in the food chain: 76% is the percentage of awareness regarding this among degree college students studying biological science subjects.
5. Total organic matter present in an ecosystem is called Biomass: 58% is the percentage of awareness regarding this among degree college students studying biological science subjects.
6. Desiccation takes place owing to the withdrawal of water from vacuolated protoplasm. Precipitation of cell proteins and Cells rupture due to the mechanical pressure of ice are the causes of killing Plants at low temperature: 78% is the percentage of awareness regarding this among degree college students studying biological science subjects.
7. Chlorofluorocarbon chemical is responsible for the reduction of ozone content of the atmosphere: 80% is the percentage of awareness regarding this among degree college students studying biological science subjects.
8. Acid rains occur when atmosphere is heavily polluted with SO₂ and NO₂: 54% is the percentage of awareness regarding this among degree college students studying biological science subjects.
9. Spraying of DDT on crops causes pollution of Soil and Water: 84% is the percentage of awareness regarding this among degree college students studying biological science subjects.
10. Soil erosion can be prevented by Afforestation: 70% is the percentage of awareness regarding this among degree college students studying biological science subjects.

Conclusion:

The Study conclude that, the Students studying biological science subjects are well aware about the Environment regarding

1. the branch of biology that deals with the relations of organisms to one another and to their biological surroundings.
2. the regions of the surface and atmosphere of the earth occupied by living organisms.
3. the biotic and abiotic factors within an ecosystem.
4. how each living thing gets food, and how nutrients and energy are passed from creature to creature through food chain.
5. temperature tolerance ability of plants & animals.
6. Causes of reduction of ozone, acid rain, pollution, soil erosion.

Recommendations:

Students studying biological science subjects should be encouraged to share their environmental knowledge so that the identification of environmental awareness among them could be easy, this can help the organizer to plan various activities regarding Environment Protection Programmes, they should have to promote environmental best management practices. Let the Students practice at home doing small tasks like picking up their trash and throwing the garbage, shut off all the lights and other electrical gazettes when not in use or when they're done using them. Supporting local produce and production is an excellent way to help the environment with immediate effect. Regular visits of students to the farmer's



market will be a fun family activity for the students. Asking them to pick the News and articles regarding various environmental issues published in daily newspapers and comment on it regularly will practice them protecting the natural environment themselves. This will help them be more knowledgeable about environmental issues. The research skill should be paid more attention for the Students studying biological science subjects so that their content knowledge can be utilized more effectively for Environment Protection.

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