

Awareness of government policies related to conservation environmental and waste management

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Abstract

We are living in the era of science and technology. Pollution, which is a very serious problem, is the gift of this technical era. To reach a pollution free state in such a scientific and technological world, preserving the environment is a vital requirement. To protect the environment, the government periodically passes various Acts and Rules. Some rules are amended for further betterment. Similarly, Waste Management Rules 2016 were published under the Environment (Protection) Act, 1986. In this research paper, an attempt has been made to find out awareness regarding Waste Management Acts and Rules among college students. Result and Analysis show that the level awareness is quite low which is not satisfactory because it is very important for the future generation to have knowledge of sustainable development.

Key Word: Construction and Demolition, E-Waste, Biomedical Waste, Waste Management.

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INTRODUCTION

Today is the technological era. India, which is known for its traditional ideology, is also moving towards technical development. It is said that if the society is developing then the country will also develop in a right way. But the development of society cannot grow fast enough and match the pace of technological advancements which are taking place so rapidly. But, the technological development is needed to take place in a way, which is in accordance with the environment. Efforts are being made to keep the environment pure and balanced, but the results are not satisfactory because there is a lack of environmental awareness among the students. Laws are being formulated from time to time regarding environmental protection, but due to the lack of awareness in the future generation, the benefits of these rules are not being received by all, and pollution is continuously increasing rather than decreasing.

OBJECTIVE OF THE PAPER

Under the Environment (Protection) Act 1986¹, some important rules were formulated in 2016. An attempt has been made to ascertain about awareness of the rules among the students of the college.

ANALYSIS AND DISCUSSION

Area of Research – Govt. Geetanjali Girls P.G. College, Bhopal, M.P. (INDIA) Under the provisions of Section 6, 8, 25 of the Environment (Protection) Act 1986, amendments were made in several rules and regulations, which are as follows:

1. Plastic Waste Management Rules, 2016²
2. Solid Waste (Management) Rules, 2016³
3. E-Waste (Management) Rules, 2016⁴
4. Biomedical Waste (Management) Rules, 2016⁵
5. Construction and Demolition Waste Rules, 2016⁶

The Research paper is based on these rules. First, we classified different categories of people on the basis of their work.

Classification of Groups:

- GROUP 1: B.Sc (YEAR – I) Students
- GROUP 2: B.Sc (YEAR – II) Students
- GROUP 3: B.Sc (YEAR – III) Students
- GROUP 4: M.Sc (YEAR – I) Students
- GROUP 5: M.Sc (YEAR – II) Students

10 questions were formulated and asked to all the groups regarding the Waste Management Rules, 2016.

1. What is waste? How many types of wastes are there?

2. In which year Environmental Protection Act was passed?
3. Are you aware of the Environmental Protection Act, 1986?
4. According to Plastic Wastes Management Rules plastic carry-bags of what micro-thickness are valid?
5. Are you aware that Electronic Equipment/Apparatus are returned according to E-Waste Rules?
6. Do you know that while constructing/demolishing any building if the debris (waste) is found on streets, the owner of the building is punishable by law?
7. For what purpose black dust bins are used?
8. Do you know that solid waste is allowed to be burnt in streets or public places or not?
9. Do you know usage of sachets of Tobacco, Paan etc. is not allowed according to Plastic Wastes Management Rules?
10. Is it appropriate to destroy electrical apparatus to take out copper wires in it?

Following are observations according to questions answered:

Table 1:

Groups	GROUP 1				
Ques.	P1	P2	P3	P4	P5
1.	✓	✓	✓	✓	✓
2.	✗	✓	✓	✗	✗
3.	✓	✓	✗	✗	✗
4.	✓	✗	✗	✗	✗
5.	✓	✓	✓	✓	✓
6.	✗	✗	✗	✗	✗
7.	✓	✓	✗	✗	✗
8.	✓	✗	✗	✗	✓
9.	✓	✓	✓	✓	✓
10.	✓	✗	✓	✓	✓

Table 2:

Groups	GROUP 2				
Ques.	P1	P2	P3	P4	P5
1.	✓	✓	✗	✓	✓
2.	✗	✓	✗	✗	✗
3.	✗	✗	✓	✗	✗
4.	✗	✗	✗	✓	✓
5.	✓	✓	✓	✓	✓
6.	✗	✗	✗	✓	✓
7.	✗	✗	✗	✗	✗
8.	✗	✗	✗	✗	✗
9.	✓	✓	✗	✗	✗
10.	✓	✗	✓	✗	✗

Table 3:

Groups	GROUP 3				
Ques.	P1	P1	P1	P1	P1
1.	✓	✓	✓	✓	✓
2.	✓	✗	✗	✗	✓
3.	✓	✓	✗	✓	✗
4.	✗	✓	✓	✗	✓
5.	✓	✓	✗	✗	✗
6.	✓	✓	✓	✗	✗
7.	✓	✗	✗	✗	✗
8.	✗	✗	✓	✓	✓
9.	✗	✗	✓	✗	✗
10.	✓	✓	✗	✗	✗

Table 4:

Groups	GROUP 4				
Ques.	P1	P1	P1	P1	P1
1.	✓	✓	✓	✓	✓
2.	✗	✗	✗	✓	✓
3.	✗	✗	✗	✗	✓
4.	✓	✓	✗	✗	✓
5.	✓	✓	✓	✓	✗
6.	✓	✓	✗	✗	✗
7.	✓	✗	✗	✓	✓
8.	✓	✗	✗	✗	✓
9.	✓	✓	✓	✗	✗
10.	✓	✓	✓	✗	✗

Table 5:

Groups	GROUP 5				
Ques.	P1	P1	P1	P1	P1
1.	✓	✓	✓	✓	✓
2.	✓	✗	✓	✓	✓
3.	✓	✗	✓	✗	✗
4.	✗	✓	✗	✗	✓
5.	✓	✗	✓	✓	✗
6.	✗	✓	✗	✓	✓
7.	✓	✓	✓	✓	✓
8.	✗	✓	✓	✓	✓
9.	✓	✓	✓	✓	✓
10.	✓	✓	✓	✓	✓

Results according to the observations:

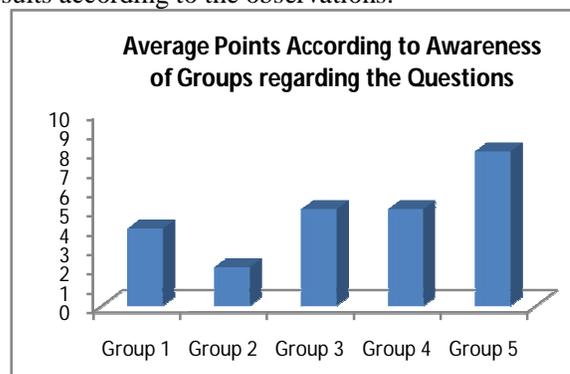


Figure 1:

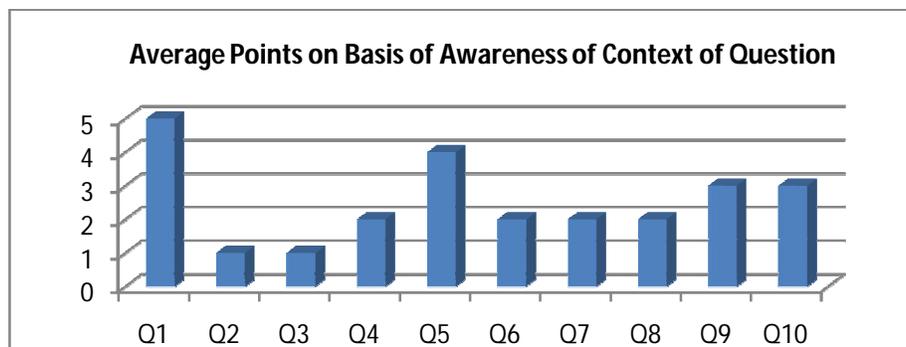


Figure 2:

RESULT AND CONCLUSION

On the basis of graphs it can be observed that students of M.Sc (YEAR - II) are most aware among all the groups. The students of B.Sc (YEAR - I), B.Sc (YEAR - II) are less aware. Majority of questions were not answered by most of the groups indicating unawareness. The analysis of all the results shows that Group 1, 2, 4 are less aware of the Environmental Rules, whereas major contribution in the everyday waste management is from these classes, the major reasons could be:

1. These are less aware of the government policies.
2. No training and awareness programs are ever organized for them.
3. There is no institution to aware them after the implementation of Rules/Acts, which may provide information from time to time.

If we can convey the message of Environmental Laws to the future generation of our society then Technological

Development could be achieved at highest rate without damaging the environment.

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