

महाराष्ट्र शिक्षण समिती द्वारा संचालित

महाराष्ट्र महाविद्यालय, निलंगा

ता. निलंगा जि. लातूर



पर्यावरण प्रकल्प कार्य पुस्तिका



प्रमाणपत्र देण्यात येते की, कुमार / कुमारी

महाराष्ट्र महाविद्यालय, निलंगा



प्रमाणपत्र

प्रमाणपत्र देण्यात येते की, कुमार / कुमारी Hanegave Nikram
Tikarvan इयाचा BSc. Tu हजेरी क्रमांक _____

शैक्षणिक वर्ष २०-२० _____ मधील प्रकल्प कार्य _____
या विषयावर मार्गदर्शक शिक्षक / प्राध्यापकाच्या मार्गदर्शनाखाली अपेक्षित
सर्व कामकाज, माहिती संकलन व अहवाल लेखन विद्यार्थ्याच्या कला लेखन
नियमाप्रमाणे प्रकल्प कार्य तयार केलेले आहे. सदर प्रकल्प कार्य हे संबंधित
विद्यार्थ्याने स्वतः संकलित केलेले आहे.

सदर प्रकल्प कार्य हे संबंधित विद्यार्थ्याने स्वतः संकलित केलेल्या
लेखन सामग्रीवर आधारित असून स्वतःच्या हस्ताक्षरात लिहिले आहे.

दिनांक :


मार्गदर्शक

परिक्षक


प्राचार्य / उपप्राचार्य

Principal
Maharashtra Mahavidyalaya
Nilanga, K. S. S. District



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पर्यावरण

प्रकल्प कार्य लेखन वही

(Environmentakl Project Work Book)

विद्यार्थ्यांचे नांव Hanegave Vikram Tukaram

वर्ग BSc Ty तुकडी _____ क्रमांक _____

प्रकल्प कार्याचे शिर्षक _____

प्रकल्प स्वरूप : वैयक्तीक / गटामध्ये :

१) _____

२) _____

३) _____

प्रकल्प मार्गदर्शकाचे नाव : _____

प्रकल्प मार्गदर्शकाचे नांव : _____



WATER
POLYTON

10/10/2024

INTRODUCTION

The water we drink, must be, odourless, free from any pathogenic organisms, the dissolved inorganic material, must be within the given norms, should be free from the suspended solids and turbidity should be moderately soft i.e. the dissolved material must not be more than 150 p.p.m., must be free from any toxic matter and the pH value of drinking water should be between 7 and 8.5. When the water we consume crosses the above limits it is called as polluted water.

It can be defined as the presence of impurities and foreign substance in water in such a quantity that lowers its quantity and makes it unfit for consumption and causes health hazard.







WASHING AT THE RIVER



SOURCES / CAUSES OF WATER POLLUTION

The water gets polluted by various causes and at various sources which are divided as

1. Through Industrial Discharges

- The industrial effluents have a wide variety of organic and also the inorganic pollutants e.g. the breweries, tanneries, paper and pulp mills, dying textile industries are the main sources of industrial water pollution.

- The fertilizers and chemical industries have also made the problem of water pollution a serious environment issue.

- The heavy metals discharged from the industries such as Na, Cu, Cr, Hg, Pb, etc have a serious effects on the living organisms.





POLLUTION AT BEACH



CHEMICAL WASTE FROM INDUSTRIES



3. Through the solid waste of the industries.

- Lead and mercury are the main toxic solid substances which come out of the industrial waste and get mixed with the nearby water pool.

- The consumption of this polluted water makes a direct impact on the human health.

e.g. the lead pollution damages the liver and kidney it also reduces the hemoglobin formation. Lead may affect the central nervous system which leads to coma or to death.

- The mercury compounds enter in water body get converted into methyl mercury compounds due to anaerobic microbes.





POLLUTED WATER NEAR SLUM AREA

EFFECTS OF WATER POLLUTION ON ENVIRONMENT

- Water is one of the basic needs to all the living beings.

- The contamination of water has direct impact on the health status of the living organisms and on the total environment at a large.

- This dearth of oxygen, known as eutrophication, suffocates plants and animals and can create "dead zones", where waters are essentially devoid of life.

- In certain cases, these harmful algal blooms can also produce neurotoxins that affect wildlife, from whales to sea turtles.

