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(with effect from June, 2019)

B. Sc. Part II ♦ Semester III

MATHEMATICS

(PAPER VI : DSC - 6 C)

Algebra - I

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[PAPER V : DSC - 5 C]

Real Analysis - I

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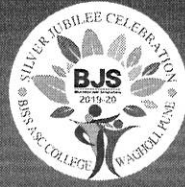
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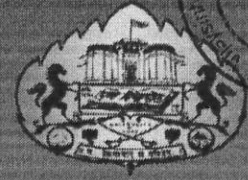
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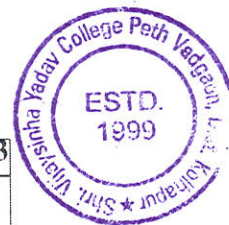
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A Study of Noise Pollution in Silence zones of Peth Vadgaon Town in Kolhapur District

Dr. Dinesh Bhandare

Abstract

In the age of modernization the environmental problems are increasing with modern activities. Out of all types of pollution noise pollution remains undisturbed and reacts very deeply on the human body and mind. Considering this issue the silence zones of Kasba Vadgaon in Kolhapur District of Maharashtra State have been surveyed to get the level of noise at educational institutions, hospitals and government offices. The level of noise has been collected by field work with GPS and android application. The collected data has been analysed and the level of noise has been calculated. Through this result the conclusion could be useful for policy making for future and current development in Kasba Vadgaon in the sense of Noise pollution.

Keywords: Noise level, Hospital, Educational institution, Government offices, decibel.

1.1 Introduction:

Present world is the world of globalization. In this era service sector and industrial growth is resulting into the maximum use of resources which reacts into the increase in the air, water and noise and solid waste (land) pollution. This problem is increasing in the urban areas particularly. The changing lifestyle is also the main reason behind this issue. The modern lifestyle also creating the hidden and ignored pollution i.e. noise pollution. The noisy horns of vehicles, entertainment, Loudspeakers in religious places, noisy sounds during festivals and industrial noise are some examples of noise pollution in general. This could result into the loss of peace and increase of physical and mental health issues. The Noise pollution cannot eradicate completely but it is possible to decrease it at some extent. The Govt. of Maharashtra and Govt. of India have taken some steps to deal with this issue. Govt. of Maharashtra and High Court of Mumbai have made the act on decrease in noise pollution level in 2000, followed by the act in 2003, 2007 and 2009 have been sanctioned to cope up with the noise pollution issue. In these acts 'Silence zone' concept have been included. For the present study the researcher has been used this concept to elaborate the noise pollution.

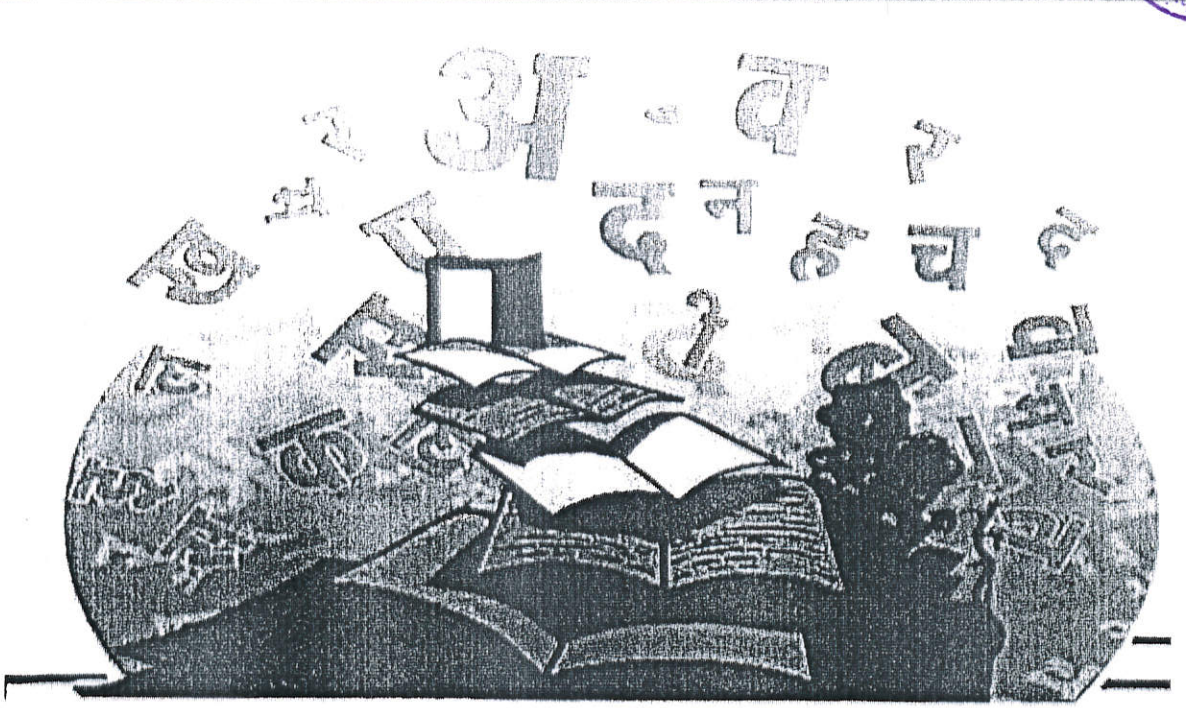
1.2 Study Area:

Kasba Vadgaon town is located in north-east part of Kolhapur district. It is 20 km long from Kolhapur district head quarter. It is the part of Deccan plateau where the western part of this town is covered by small hills whereas the eastern part is covered by Warana river flood plain. Due to the erosion of local rills this area has undulated landscape. This town is located from 16o 49'27.70" to 16o 50' 33.11" North Latitude and 74o 18' 22.50" to 74o 19' 33.26" East Longitude. It is 580 m. high from mean sea level. The general slope of study area is from south to north direction. The maximum and minimum temperature of Kasba Vadgaon is 39o C. and 7.60o C respectively. The total population of Kasba Vadgaon is 25,651 as per 2011 Census.

1.3 Importance of the study:

Kasba Vadgaon is known as a marker place for the surrounding villages for agricultural products and the trade activity. It is also the central place for education and health facility. The constant transportation of heavy vehicles takes place through this town. The noisy atmosphere of this town result into increase of noise pollution at silence zones of this town. Govt. of Maharashtra has made the rules for the decrease of noise pollution in the silence zones. For this purpose the study has been carried out.

1.4 Objective: The present study aims at the classification and analysis of noise pollution at Silence zones of Kasba Vadgaon.



हिंदी लघुकथा के विविध आयाम

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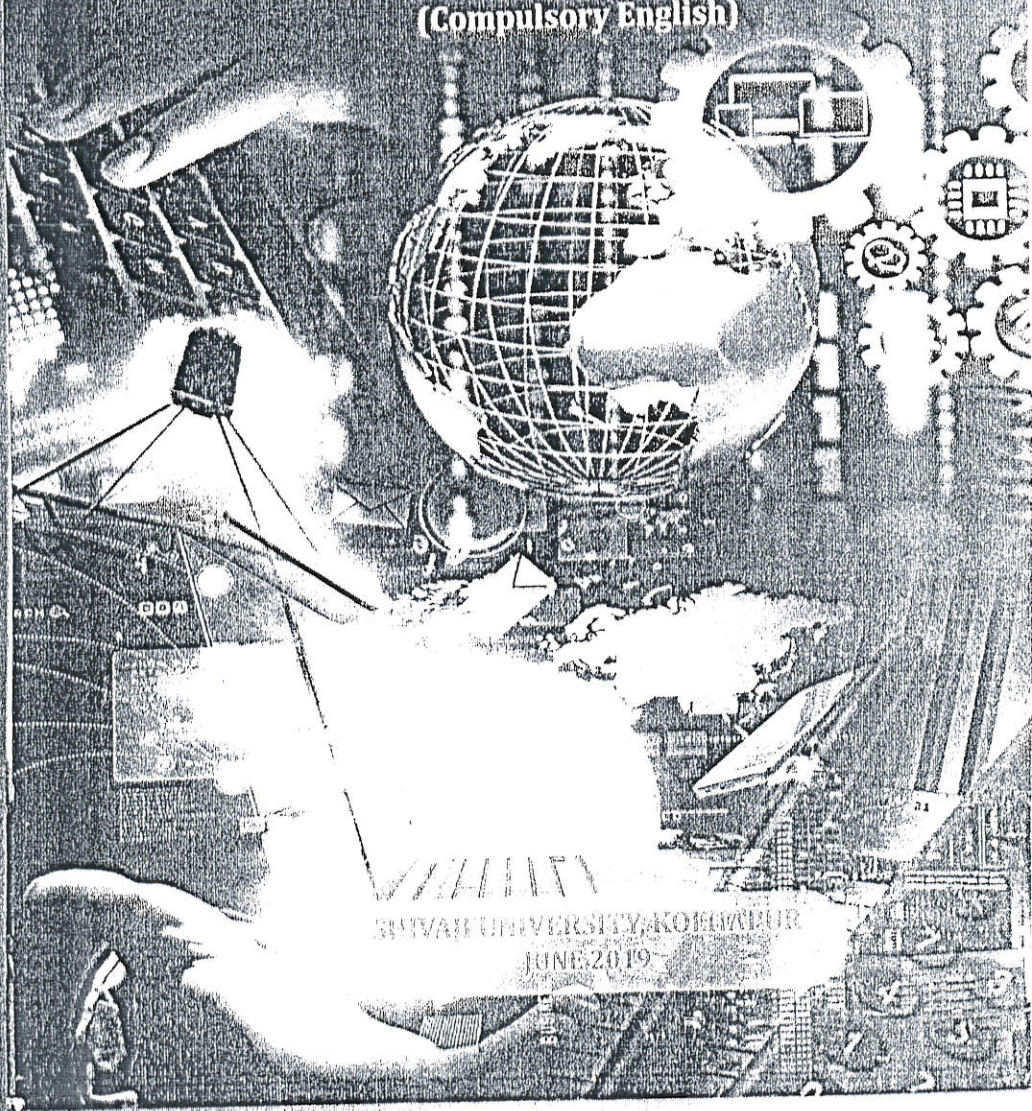
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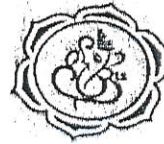
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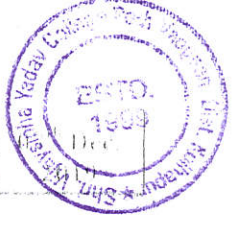
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