

SIDHO-KANHO-BIRSHA UNIVERSITY



TOPIC- "An empirical study on the nutritional knowledge, dietary habits & nutritional status of mask makers of Charida village, Purulia"

B.S.C HONOURS 6th SEMESTER EXAMINATION -2024

ROLL- 118641 NO- 2114856

REGISTRATION NO – 012083 OF 2021-2022

SUBJECT – NUTRITION (HONOURS)

COURSE CODE – BNUTDSHC5

COURSE TITLE – NUTRITIONAL DISASTER MANAGEMENT

SUBMITTED BY – Mrs. PUNAM ROY

ABSTRACT

Title: " An empirical study on the nutritional knowledge, dietary habits & nutritional status of mask maker's of Charida village, Purulia "

Abstract:

Chhau mask making, integral to the cultural fabric of [Charida, CD block , Baghmundi], sustains a rich tradition of craftsmanship. However, little attention has been given to the nutritional status of the artisans behind these captivating masks. This study investigates the nutritional well-being of Chhau mask makers, employing a mixed-method approach encompassing surveys, interviews, and anthropometric measurements. Preliminary findings reveal alarming rates of malnutrition among artisans, attributable to limited access to nutritious food, economic constraints, and insufficient awareness of dietary needs. Urgent interventions, including nutritional education and support programmes, are imperative to alleviate these challenges and safeguard the health and heritage of Chhau artisans. This research underscores the importance of prioritizing the nutritional needs of cultural custodians to ensure the preservation and vitality of traditional crafts. However, little attention has been given to the nutritional status of the artisans behind these captivating masks. This study investigates the nutritional well-being of Chhau mask makers, employing a mixed-method approach encompassing surveys, interviews, and anthropometric measurements. Preliminary findings reveal alarming rates of malnutrition among artisans, attributable to limited access to nutritious food, economic constraints, and insufficient awareness of dietary needs.

KEY WORDS:- Chhau mask makers, nutritional status, malnutrition, traditional artisans, intervention strategies.

❖ CONCLUSION

Chhau, a traditional Indian dance form, is adorned with intricate masks that play a pivotal role in its performances. Behind these mesmerizing masks are skilled artisans whose nutritional status remains understudied. This abstract aims to shed light on the nutritional status of Chhau mask makers, exploring the challenges they face and potential avenues for improvement.

A mixed-method approach was employed, including surveys, interviews, and anthropometric measurements. Participants were selected from Chhau mask-making communities in [Charida village* purulia], representing a diverse demographic cross-section.

Understanding and addressing the nutritional status of Chhau mask makers is not only imperative for their health and livelihoods but also for preserving this rich cultural tradition. By prioritizing their nutritional needs, we can empower these artisans to continue their craft while leading healthier, more fulfilling lives.

The nutritional challenges faced by Chhau mask makers underscore the need for targeted interventions to improve their well-being. Strategies such as nutrition education, access to subsidized food programs, and income-generating opportunities can play a crucial role in addressing these issues. Furthermore, collaboration between government agencies, NGOs, and local communities is essential to implement sustainable solutions.

SIDHO-KANHO-BIRSHA UNIVERSITY



Project Title: Nutritional status of chhau mask makers



B.Sc 6th Semester (Hons.) Examination - 2024

Course Code - BNUTDSHC5

Course Title - NUTRITIONAL DISASTER MANAGEMENT

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Reg. No. - 012017 Of 2021-2022

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Submitted To :

Mrs. Punam Roy (Singh)

Dept. Of Nutrition

Nistarini College, Purulia

**“An empirical study on the nutritional knowledge ,
dietary habits
& nutritional status of mask makers of Charida village,
Purulia”**

**Department of Nutrition science, Sidho-Kanho-Birsha
University, Purulia**

ABSTRACT :-

The chhau mask-making tradition, an integral part of cultural heritage of India, has been passed down through generations. This study aims to explore the lifestyle and nutritional hazards faced by chhau mask makers in the purulia district of West Bengal.

This study investigates the lifestyle and nutritional health hazards among chhau mask makers, focusing on their dietary habits, physical activity levels, and associated health risks. A survey was conducted among chhau mask makers in Charida , using structural questionnaires to collect data on their lifestyle practices and dietary patterns.

Results reveal potential health hazards, including irregular meal timings, inadequate intake of essential nutrients, and sedentary work habits. These findings underscore the importance of implentating interventions to promote healthier lifestyle and mitigate nutritional health risks among chhau mask makers.

KEY WORDS : Chhau mask makers, nutritional status, malnutrition, traditional artisans, intervention strategies.

CONCLUSION

Regarding this, empirical study researchers have selected the village Charida which is a village of Baghmundi Block under Purulia district of West Bengal. Generally, the mask has a great market in the district of Purulia and its surrounding villages. So many artists and mask makers are engaged in this profession for a long time. These masks are not only used in Chhau dance but people use them as decoration of the house. To make a mask many things are needed like colour, jari, colourful feathers and so on. In that case, the market of colour, brush, shoal, colour feather is also healthy in the case of an economy, the dress of Chhau dancers is also related to it. Basically, the dressmakers have found out their livelihood in it, for this reason, dressmakers and their related instruments are also needed according to the demand of the market. So, mask and its makers are naturally benefitted from those materials which are available in the market. This is why there are so many materials that have become needful to this effect. Mask making is dependent upon its demand, so mask makers could find out their healthy market in the past time. but gradually its popularity is reduced, so the artists do not get enough interest in this profession.

SIDHO KANHO BIRSHA UNIVERSITY



-:B.SC HONS. 6TH SEMESTER EXAM:-



TOPIC :- "AN EMPIRICAL STUDY ON THE NUTRITIONAL KNOWLEDGE, DIETARY HABITS & NUTRITIONAL STATUS OF MASK MAKER'S OF CHARIDA VILLAGE, PURULIA "

COURSE CODE:-BNUTDSHC5

COURSE TITLE :- NUTRITIONAL DISASTER MANAGEMENT

REGISTRATION NO.:- 012086 OF 2021-2022

ROLL:-118641 NO.:- 2114859

SUBMITTED BY:- RIYA PANDEY

SUBMITTED TO:- MRS. PUNAM ROY

ABSTRACT

Chhau Dance is a semi-classical dance ce from - Eastern India. It is enacts episodes from epics including Mahabharata and Ramayana, local folklore and abstract themes.

In 2010 the chhau dance was inscribed in the 150 UNESCO's Representire list of the Intangible Culture Heritage of humanity and have also obtained 1400 the Greographical Indentification (GI) tay.

Although a eastern Indian dance style chhau is confined in only three pockets of castern India. 1400 Purulia (west bengal) Seralikella (Jharkhand) and Mayurbhanj (Odisha)

Chhau dance has no ritual or ceremonial meaning, its a From of community celebration and entertainment. Charida located in Bagmundi block of Purulia District. 1900 is the home of chhau Dance Mask Making.

CONCLUSION

Regarding this, empirical study researchers have selected the village Charida which is a village of Baghmundi Block under Purulia district of West Bengal. Generally, the mask has a great market in the district of Purulia and its surrounding villages. So many artists and mask makers are engaged in this profession for a long time. These masks are not only used in Chhau dance but people use them as decoration of the house. To make a mask many things are needed like colour, jari, colourful feathers and so on. In that case, the market of colour, brush, shoal, colour feather is also healthy in the case of an economy, the dress of Chhau dancers is also related to it. Basically, the dressmakers have found out their livelihood in it, for this reason, dressmakers and their related instruments are also needed according to the demand of the market. So, mask and its makers are naturally benefitted from those materials which are available in the market. This is why there are so many materials that have become needful to this effect. Mask making is dependent upon its demand, so mask makers could find out their healthy market in the past time. but gradually its popularity is reduced, so the artists do not get enough interest in this profession.

SIDHO - KANHO - BIRSHA UNIVERSITY



**Project title - ASSESSMENT OF NUTRITIONAL STATUS
AND
HEALTH PROBLEMS OF TRIBAL ADOLESCENCE GIRLS IN NISTARINI COLLEGE
(TRIBAL GIRLS HOSTEL)**



**B.SC 6TH SEMESTER (HONS.) EXAMINATION
2024**

COURSE CODE – BNUTDSHC5

COURSE TITLE – NUTRITIONAL DISASTER MANAGEMENT

SUBMITTED BY :

RAJANYA DAS

REG. NO. – 012080 OF 2021-2022

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SUBMITTED TO :

MR. DIPAK KUMAR MAJHI

DPT. OF NUTRITION

NISTARINI COLLEGE, PURULIA

ABSTRACT

The tribal founds in almost all states of the country. In west bengal the tribal population is mainly district in Mednapur, Purulia, Jalpaiguri and Bardhaman district. The tribal is a social division in a society.

The tribal community is the most economically backwards is further more complicated by their poor health and nutritional status is low. The purpose of this survey is to evaluate the nutrition related health problems. Among elderly the tribal women including malnutrition, underweight, low in micronutrients, low vitamin and minerals and menstruation problem, weakness of health.

This survey of the selected cases is done to know the nutritional status of the individual adolescence girls residents at 'Nistarini college Tribal Girls Hostel', purulia. and to know the overall nutritional status of the selected sample Adolescence girls (19 to 22) years old methods followed by sample collection, clinical assessment and dietary assessment. After statistical analysis of all the nutrients of all the nutrients of the selected sample. An overall outcome of the nutritional status is discussed.

The results indicate that the amount of protein, fat CHO, energy is extremely lower than the adolescence girls. The results indicate that risk factors of malnutrition.

In conclusion of nutritional related health problems of adolescence girls. The findings of this research can infrom the development of targeted intervention that promotes healthy eating habits, increase nutritional knowledge and improve access to nutritional foods among adolescence girls, ultimately improving their overall health and well being.

CONCLUSION & SUGGESTION

Tribal adolescence girl's in suffer from poor health due to a numbers of issues. Including underweight, weakness, menstruation problem Iron deficiency. In Tribal adolescence girl's proven deficiency of macronutrients Protein, Calorie and Fat.

- Include daily Fruits and Vegetables: ----- Aim for at least 2 serving of fruit and any green vegetables, leafy vegetables per day. They provide essential Vitamin, Minerals.
- Consume adequate Protein: ----- Protein is important for maintaining muscle mass and strength. Include lean sources of Protein such as Poultry, Fish, Eggs, Legumes and Dairy products.
- Prioritize healthy fat: -----Include sources of healthy fat in your diet, such as nuts, and seeds.
- stay hydrated: ----- It's important to drink enough fluids.
- Maintain a balance approach: ----- It is also essential to maintain an overall balanced lifestyle in regular physical activity, get enough sleep, and maintain physical activity, get enough sleep, and maintain proper meal every day.



**Project title - ASSESSMENT OF NUTRITIONAL STATUS
AND
HEALTH PROBLEMS OF TRIBAL ADOLESCENCE GIRLS IN NISTARINI COLLEGE
(TRIBAL GIRLS HOSTEL)**



**B.SC 6TH SEMESTER (HONS.) EXAMINATION
2024**

COURSE CODE – BNUTDSHC5

COURSE TITLE – NUTRITIONAL DISASTER MANAGEMENT

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NISTARINI COLLEGE, PURULIA

ABSTRACT

The tribals are found in almost all states of the country. In West Bengal the tribal population is mainly concentrated in Medinipur, Purulia, Jalpaiguri and Bardhaman districts. The tribal is a social division in a society.

The tribal community is the most economically backward and is further more complicated by their poor health and nutritional status is low. The purpose of this survey is to evaluate the nutrition related health problems. Among elderly the tribal women including malnutrition, underweight, low in micronutrients, low vitamin and minerals and menstruation problem, weakness of health.

Tribals have no fixed source of income and very little daily income. They are not regularly employed. They are not properly compensated. According to numerous studies, their economic and educational condition was insufficient. Several factors contribute to the poor nutritional condition of elderly people, including insufficient dietary iron, inadequate iron absorption, protein and micronutrient deficiencies, and infections. In a recent study, it was found that tribal people live an unfavorable lifestyle and are susceptible to respiratory, cutaneous, and other types of injuries.

Low iron absorption, protein and micronutrient deficiencies, and infections lead to the poor nutritional status of the tribal people. In addition, tribal people are vulnerable to injuries, skin and respiratory problems, filarial diseases, and other illnesses due to their unfavorable lifestyles. According to the literature, various interventions, including nutrition and health promotion activities, are necessary to improve the occupational lifestyle of tribal people.

This survey of the selected cases is done to know the nutritional status of the individual adolescent girls residents at "Nistarini College Tribal Girls Hostel", Purulia and to know the overall nutritional status of the selected sample adolescent girls (19 to 22) years old. Methods followed by sample collection, clinical assessment and dietary assessment. After statistical analysis of all the nutrients of the selected sample an overall outcome of the nutritional status is discussed. The results indicate that the amount of protein, fat, CHO, energy is extremely lower than the adolescent girls. The results indicate that risk factors of malnutrition.

In conclusion of nutrition related health problems of adolescent girls. The findings of this research can lead to the development of targeted intervention that promotes healthy eating habits, increase nutritional knowledge and improve access to nutritional foods among adolescent girls, ultimately improving their overall health and well being.

CONCLUSION & SUGGESTION

Tribal adolescence girl's in suffer from poor health due to a numbers of issues. Including underweight, weakness, menstruation problem Iron deficiency. In Tribal adolescence girl's proven deficiency of macronutrients Protein, Calorie and Fat.

- Include daily Fruits and Vegetables: ----- Aim for at least 2 serving of fruit and any green vegetables, leafy vegetables per day. They provide essential Vitamin, Minerals.
- Consume adequate Protein: ----- Protein is important for maintaining muscle mass and strength. Include lean sources of Protein such as Poultry, Fish, Eggs, Legumes and Dairy products.
- Prioritize healthy fat: -----Include sources of healthy fat in your diet, such as nuts, and seeds.
- stay hydrated: ----- It's important to drink enough fluids.
- Maintain a balance approach: ----- It is also essential to maintain an overall balanced lifestyle in regular physical activity, get enough sleep, and maintain physical activity, get enough sleep, and maintain proper meal every day.

SIDHO - KANHO - BIRSHA UNIVERSITY



PROJECT TITLE - THE EVALUATION OF SOCIO ECONOMIC STATUS AND NUTRITION RELATED PROBLEMS OF WOMEN OF SABAR TRIBE.



B.SC 6TH SEMESTER HONS. EXAMINATION - 2024
COURSE CODE - BNUTBSHC5

COURSE TITLE - NUTRITIONAL DISASTER MANAGEMENT

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ABSTRACT

After independence it was realized that the tribals have lagged behind the development plans and required attention. They thus acquired a growth-oriented strategy. A blueprint for the development of the tribe was planned according to a stipulated period of time with correct investments and inputs, and of 'macro', 'meso' level depending upon the requirements and repercussions. The development of Sabar Tribal people is not mere implementation of the work programme. It involves social processes to be set in motion. Without a proper understanding of the people themselves it is possible that the major, however well intentioned, may not bring out the desired result. Workers have to ultimately know the people among whom they have to work. Not only the schemes for their betterment have to be in consonance with their culture but they should also be initiated after full consideration of the susceptibilities of the people. Without this the measure for their betterment may be self-defeating. It is necessary to introduce new technology with their consent and participation while preserving their native culture forms. Seen in this context the present study has many relevant aspects and through this paper the researcher seeks to explore the current facts of government initiatives taken for the Sabar Tribal Community and the real implementation of the work programme with respect to the development and empowerment of the Sabar Tribe.



CONCLUSION

The socio-economic statuses of the tribal sub castes under study are different. It reflected that their education level and income level were different i.e. most of the Sabar respondents were illiterate and lived in confined forest area and did not have sufficient source of income where other community depend on agriculture as their major livelihood and their literacy and income level were higher.

Sabar mainly worked on fields, forest areas, as a labour for their live hood and most of them are converted christen. Only Santhal and Sabar have multidimensional occupation level and they utilized that for their livelihood. So, it-can concluded that all tribal casts are same socio-economically but they have so much difference which reflects their lifestyle, livelihood, habitat and behavioral pattern.

Sidho-Kanho-Birsa University



Project Title: ASSESSMENT OF HEALTH, NUTRITIONAL STATUS AND SOCIO-ECONOMIC CONDITIONS OF LAC WORKERS (FEMALE)



B.Sc. 6th Semester(Hons.) Examination 2024

Course Code: BNUTDSHC5

Course Title: Nutritional Disaster Management

Submitted by:

Ishita Patra

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Submitted to:

Mrs.Rimly Mukherjee

Dept, of Nutrition

Nistarini College,Purulia

ABSTRACT

Background:

Health, Nutrition and Socio-economic status (SES) is a broad concept that includes nutritional, sociological, and economic combined total measure of a person's work experience, dietary intake, health status and of an individual's or family's economic, nutritional and social position relative to others, based on family size, age-sex, occupation, income, educational attainment, service and amenities available to them, wealth, health and deprivation. Our study includes the health, nutritional, socio-economic condition of workers (female) of the lac industry in Balarampur block of Purulia district in West Bengal. The Balarampur block in Purulia is the hub of lac production.

Aim of the survey:

To evaluate socio economic status, assess the health status, identify the nutritional status and calculate the nutritional deficiency. Also to improve social, health and nutritional knowledge, build self efficacy with respect to making healthy dietary choices, make them understand how individuals' income affects their socio economic development.

Method:

We use anthropological measurement, questionnaire method, BMI calculation, statistical analysis to conclude a result.

Result:

All the females are hindu, majority of the workers caste is ST/SC, and majority of the workers are illiterate, their income is also low and family size is low, nearly all the female lac workers household is kutcha. The majority of the female lac workers' nutritional status is normal. However, analysis revealed that the majority of the female lac workers' iron consumption is less than RDA requirements. Majority of the female workers suffer from occupational health hazards like joint pain, knee pain, back pain, abdominal discomfort, skin problem, hypotension etc.

Solution:

Female lac workers have been encouraged to have regular health check ups and to consume iron rich food. We advise them to educate their children.

Conclusion:

survey found that they need appropriate awareness, income and government support for their future sustaining so that lac work can run smoothly and protect Indian culture for the upcoming generation.

Keywords:

SES, BMI calculation, statistical analysis, RDA requirements, Educational attainment.

CONCLUSION AND SUGGESTIONS

The traditional Lac culture has been kept alive by those skilled household Lac workers, which inextricably is linked with the age-old tradition of Lac cultivation. The study presents a historical account of the Lac cultivation community with a view to identify the factors leading to its decline. It also attempts to focus on aspects of the socio economic conditions of Lac workers. In addition, the nutritional status and occupational health issues of the industry had also been dealt with. The findings of this study have conditions and standard of living of the lac workers. The educational status and literacy rate among the workers were not encouraging and also the family conditions of the workers were not good. Provision for raw materials at reasonable price, special training, workers acquaintance about scientific and low cost techniques of lac cultivation, financial assistance, proper diet, regular health check-up and increase of public concern are the needs of the day as expressed by the lac workers. We can say that they need appropriate awareness, income and government support for their future sustaining so that lac work can run smoothly and protect Indian culture for the upcoming generation.

Lac workers are working all day near heat and they work in a seated position for a long hour so it is important to focus on their health and Nutritional status. Also their income is low so education plays a vital role in this. Here are some suggestions—

1. Eat a variety of foods to ensure a balanced diet.
2. Eat plenty of vegetables and fruits which are locally available.
3. Ensure moderate use of edible oils and animal foods and very less use of ghee/ butter/ vanaspati.
4. Restrict salt intake to minimum.
5. Ensure the use of safe and clean foods.
6. Drink plenty of water to avoid dehydration and take beverages in moderation.
7. Minimize the use of processed foods rich in salt, sugar and fats.
8. Do health check up regularly.
9. During menstruation use a sanitary napkin to avoid complications.
10. Before getting the health conditions worst go to the doctor.
11. Educated your children.

SIDHO-KANHO-BIRSHA UNIVERSITY



Project Title: A Survey Of Health And Nutritional Status And Socio - Economic Status Of Female Lac Workers (Age Group 25 - 45 Years)



B.Sc 6th Semester (Hons.) Examination - 2024

Course Code - BNUTDSHC5

Course Title - NUTRITIONAL DISASTER MANAGEMENT

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Submitted To :

Mrs. Rimly Mukherjee

Dept. Of Nutrition

Nistarini College, Purulia

Abstract

Background --

Nutritional knowledge is considered as an important factor in making healthy food choices and to ensure an adequate nutrient intake in all age group.

Objectives --

To know the nutrition status of lac workers and evaluate the health hazard.

Design --

20 people from balarampur participate the work.the study questionnaire consisted of nutritional knowledge,food frequency to measure the frequency and questionnaire to measure frequency and questionnaire to measure frequency and variety of food consumption and to quantify the daily energy and nutrients intake.

Intervention --

The intervention focused on nutrition knowledge.self efficacy in making healthful dietary choice and dietary practice to demonstrate treatment effect.

Analysis --

We difference between the group 25-35 and 35-45 in the numbers of positive dietary changes.

Result --

This project indicates that the worker are 45% normal and 55% over weight.

Socio economic and health hazard ---

The person are belongs to very low socio economic status.they are suffer health hazards like leg pain,back pain,stress, fatigue and tiredness and musculoskeletal disorders.

Conclusion --

The study area help to nutrition education and the total requirements of the worker needed.therefore positive dietary changes during a week intervention.

Conclusion and suggestions

This workers are suffer from illness , depression, medication in patients with proven deficiency of micronutrient supplementation should be given. calcium and vitamin -D supplementation are very lack therefore the intake the lack of energy and they eat low amount of protein.

An adult people nutritional need may change and important to focus on maintaining a healthy diet to support overall wellbeing. here the some suggestions for a balance diet for adults.

- Including a variety of fruits and vegetables per day. they provide essential vitamin, minerals available food in daily.
- Consume adequate protein: protein is important for maintaining muscle mass and strength. include source of protein such as poultry, fish, eggs legumes and dairy product if needed consider protein supplements.
- Include whole grain option like whole wheat, bread ,brown rice and whole grains cereals etc this provide fiber and important nutrient compared to refined grains.
- include healthy fats the source of fat nuts, seed etc.
- They avoid package food.
- They are avoid starvation
- Totally resicted oily food.
- Moderate sodium intake limited sodium can help maintain healthy blood pressure levels.
- Maintain a healthy lifestyle physical activities, get enough sleep.

In order to understand the dietary needs of the older adult it is important to know.they lead a normal life style, physical active, fresh mentality.

SIDHO KANHO BIRSHA UNIVERSITY



PROJECT TITLE:-A SURVEY OF HEALTH AND NUTRITIONAL STATUS AND SOCIO ECONOMIC STATUS OF LAC WORKERS (MALE AGE GROUP 25-45) AT BALARAMPUR ZONE OF PURULIA DISTRICT



B.SC 6TH SEMESTER (HONS)EXAMINATION -2024

ROLL : 118641 NO : 2114869

REGISTRATION NO : 012096 OF 2021-2022

COURSE CODE : BNUTDSHC5

COURSE TITLE : NUTRITIONAL DISASTER MANAGMENT

SUBMITTED BY:

SATHI LAYAK

SUBMITTED TO:

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Abstract

This project investigates the nutritional status and health hazards faced by female lac workers in "Balarampur Zone of Purulia District". Lac production, a labor-intensive industry, predominantly employs women, yet little is known about their nutritional health. Through anthropometric measurements, dietary assessments, and health hazard surveys, this study aims to comprehensively evaluate their nutritional status and identify potential occupational health risks. The findings will shed light on the dietary patterns, micronutrient deficiencies, and occupational hazards prevalent among female lac workers. Insights gleaned from this research will facilitate the development of targeted interventions to improve both the nutritional well-being and occupational health safety of this marginalized workforce.

This project aims to assess the nutritional status of female lac workers in "Balarampur Zone of Purulia District". Lac production, a traditional livelihood, involves labor-intensive tasks predominantly performed by women. Despite their crucial role, limited research exists on their nutritional well-being. This study utilizes anthropometric measurements, dietary assessments, and socio-demographic surveys to evaluate nutritional status. Findings will provide insights into the dietary patterns, micronutrient intake, and potential nutritional deficiencies among female lac workers. Recommendations derived from this research can inform interventions aimed at improving the health and well-being of this vulnerable population.

The project focuses on assessing the nutritional status and health hazards faced by female lac workers. The study aims to investigate the impact of nutritional deficiencies on the health outcomes of these workers, particularly in relation to child nutrition and maternal health. By examining the nutritional risk index (NRI) and its association with major adverse cardiovascular events (MACE), the project seeks to highlight the importance of addressing malnutrition among female lac workers. Through a comprehensive analysis of the nutritional risk index and its predictive value in different subgroups, the study aims to provide insights into potential interventions to improve the health and well-being of these workers.

Conclusion & Suggestion

The nutritional status and health hazards of female lac workers are crucial areas of concern that require immediate attention. Our study has revealed several significant findings that underscore the need for targeted interventions to improve the well-being of this vulnerable population.

Firstly, our analysis of the nutritional status of female lac workers has highlighted a concerning prevalence of malnutrition, with a significant proportion of individuals being undernourished or experiencing deficiencies in essential nutrients. This poses serious health risks and may contribute to various health problems, including compromised immune function, impaired cognitive development, and increased susceptibility to infectious diseases.

Moreover, our investigation into the health hazards faced by female lac workers has identified several occupational risks that pose threats to their physical and mental well-being. These hazards include exposure to harmful chemicals and toxins used in lac production, as well as ergonomic issues stemming from repetitive tasks and poor working conditions. These factors can lead to a range of health problems, including respiratory disorders, skin ailments, musculoskeletal issues, and mental health disorders.

In light of these findings, it is imperative that comprehensive interventions be implemented to address the nutritional needs and occupational health risks of female lac workers. Such interventions should focus on improving access to nutritious food, promoting dietary diversity, and providing education on proper nutrition and health practices. Additionally, measures should be taken to mitigate occupational hazards through the implementation of safer working practices, the provision of personal protective equipment, and the enforcement of regulatory standards.

SIDHO-KANHO-BIRSHA UNIVERSITY



PROJECT TITLE :-A SURVEY OF HEALTH AND NUTRITIONAL STATUS AND SOCIO ECONOMIC STATUS OF LAC WORKERS..



B.SC 6TH SEMESTER (HONS) EXAMANIATION 2024

SUBMITTED BY:

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DEPT OF NUTRITION

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INTRODUCTION

Lac is a natural resinous secreted by insect called lac insect. Lac culture definition is the scientific management and rearing of lac insects for high quality lac to be used for commercial purposes are called lac Management involves the selection of host plants, including of plants with lac insects, rearing of lac insects, pest management and harvesting and processing of lac.

India has been using lac for ages .The epic Mahabharata a mentions the details of the famous 'Lakshagruha' a house built of lac, which was built to burn the pandavs .so one can assume that Indians know the inflammable nature of lac and it's other uses too other than this, Indians have using lac for making toys and ornaments. Evidence also suggests the use of lac by ancient Romans and Greek people .The Scientific study of lac was started by Father Tachard in 1709. The name Laccifer lacca was finalized after many changes.

Lac is the scarlet resinous secretion of a number of species of lac insects of which the most commonly cultivated species is *Kerria lacca*. Cultivation begins by inoculation brood lac stick on tender shoots of the host plants. The brood lac stick contains eggs ready to hatch. Thousands of lac insects colonize the tender branches of the host trees are cut and harvested as stick lac after the maturity period.

The harvested stick lac is crushed and sieved to remove impurities. The sieved material is then repeatedly washed to repeatedly washed to remove insect parts and other soluble material. The resulting product is known as seedlac which still contains 3-5% impurities is processed into shellac by heat treatment or solvent extraction.

The leading producer of Lac in India are Jharkhand, Chattisgarh, West Bengal and Maharashtra. Lac production is also found in Bangladesh, Myanmar, Thailand, Laos, Vietnam, parts of China and Mexico.

Lac is basically used as a dye. Other uses are production of bangle , ornaments, varnish protective coatings fruits and vegetables etc.

Lac cultivation is the oldest and most visible economic activity in Purulia district since time immemorial. In Purulia there is plenty of host trees, this the district is famous for lac production 90% of lac is produced on palash, Beer and kusum trees. Lac cultivation was once the main economic activity in Purulia.

Suggestion:

Based on our findings, we offer the following recommendations for addressing the nutritional status and health hazards of female lac workers:

1. **Nutritional Support Programs:** Implement targeted nutritional support programs aimed at improving the dietary intake and nutritional status of female lac workers. This could include the provision of fortified foods, nutritional supplements, and access to nutrition education and counseling services.
2. **Occupational Health and Safety Measures:** Strengthen occupational health and safety measures to mitigate the risks associated with lac production. This may involve conducting regular health assessments, providing training on safe work practices, and enforcing regulations to minimize exposure to hazardous substances.
3. **Health Education and Awareness Campaigns:** Launch health education and awareness campaigns to increase knowledge and awareness among female lac workers about the importance of nutrition, hygiene, and preventive healthcare practices. These campaigns should be culturally sensitive and tailored to the specific needs and challenges faced by this population.
4. **Empowerment and Advocacy:** Empower female lac workers by promoting their rights, advocating for better working conditions, and facilitating their access to healthcare services. This could involve collaborating with local authorities, NGOs, and community-based organizations to address structural barriers and promote social and economic empowerment.

By implementing these recommendations, we can work towards improving the nutritional status and overall well-being of female lac workers, thereby enhancing their quality of life and contributing to sustainable development in lac-producing regions.

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সিধো - কানহো - বীরসা বিশ্ববিদ্যালয়



নিম্নাংশী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভিক্ষাপত্র

বর্ষ- ২০২০-২০২৪

পত্র -৪০৬

বিষয় : মহাশ্বেতা দেবীর গল্পে অন্ত্যজ সমাজ এবং তাদের জীবন বাস্তবতা

সমীক্ষকের নাম : অনামিকা বাউরী

তত্ত্বাবধায়কের নাম : ড. সুব্রত কুমার দে

অধিবর্ষ : চতুর্থ

কোর্স - কোড: MBENACT- 406

রোল - ৫১৪১১৮২২

নম্বর : ০০৮১

রেজিস্ট্রেশন নম্বর : ০০২৬৬৮

অফ: ২০১৯-২০২০

সিধো - কানহো - বীরসা বিশ্ববিদ্যালয়



নিম্নাঙ্গী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষাপত্র

বর্ষ- ২০২০-২০২৪

পত্র - ৪০৬

বিষয়: "বাণী বসুর উপন্যাসে নারী"

সমীক্ষকের নাম : অর্চনা মাহাত

তত্ত্বাবধায়কের নাম : ডঃ চিরঞ্জিৎ রায়

অধিবর্ষ : চতুর্থ

কোর্স - কোড: MBENACT- 406

রোল - ৫১৪১১৮২২

নম্বর : ০০৮৩

রেজিস্ট্রেশন নম্বর : ০০০৬৮১

অফ: ২০১৯-২০২০

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সিধো - কানহো - বীরসা বিশ্ববিদ্যালয়



নিম্নাঙ্গী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষাপত্র

বর্ষ- ২০২০-২০২৪

পত্র - ৪০৬

বিষয় : নারায়ণ গঙ্গোপাধ্যায়ের ছোটগল্প : বহুমাত্রিক বিশ্লেষণ

সমীক্ষকের নাম : দেবযানী মাহাত

তত্ত্বাবধায়কের নাম : জয়া ধীবর

অধিবর্ষ : চতুর্থ

কোর্স - কোড: MBENACT- 406

রোল - ৫১৪১১৮২২

নম্বর : ০০৮৬

রেজিস্ট্রেশন নম্বর : ০১৪৯৬০

অফ: ২০১৯-২০২০

সিধো - কানহো - বীরসা বিশ্ববিদ্যালয়



নিম্নারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভিক্ষাপত্র

বর্ষ- ২০২০-২০২৪

পত্র - ৪০৬

বিষয় : "নরেন্দ্রনাথ মিত্রের ছোটোগল্পে দ্বিতীয় বিশ্বযুদ্ধের প্রেক্ষিতে মধ্যবিত্ত জনজীবন"

সমীক্ষকের নাম : ঝর্ণা বাউরী

তত্ত্বাবধায়কের নাম : ড. সুরত কুমার দে

অধিবর্ষ : চতুর্থ

কোর্স - কোড: MBENACT- 406

রোল - ৫১৪১১৮২২

নম্বর : ০০৮৮

রেজিস্ট্রেশন নম্বর : ০০৯৫৮১

অফ: ২০১৯-২০২০

সিধো - কানহো - বীরসা বিশ্ববিদ্যালয়



নিম্নারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভিক্ষাপত্র

বর্ষ- ২০২৩-২০২৪

পত্র -৪০৬

বিষয় : মন্বন্তরের প্রেক্ষাপটে ছোটো গল্পকার নারায়ণ গঙ্গোপাধ্যায়

সমীক্ষকের নাম : ঝর্ণা দাস

তত্ত্বাবধায়কের নাম : ড. সুরত কুমার দে

অধিবর্ষ : চতুর্থ

কোর্স - কোড: **MBENACT- 406**

রোল - ৫১৪১১৮২২

নম্বর : ০০৮৯

রেজিস্ট্রেশন নম্বর : ০০৯৫৮২

অফ: ২০১৯-২০২০

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সিধো - কানহো - বীরসা বিশ্ববিদ্যালয়



নিম্নাঙ্গী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষাপত্র

বর্ষ- ২০২০-২০২৪

পত্র - ৪০৬

বিষয় : জ্যোতিরিন্দ্র নন্দীর ছোটোগল্পে প্রকৃতি ও নারী মন

সমীক্ষকের নাম : কুমা মাঝি

তত্ত্বাবধায়কের নাম : বিশ্বনাথ কুইরী

অধিবর্ষ : চতুর্থ

কোর্স - কোড: MBENACT- 406

রোল - ৫১৪১১৮২২

নম্বর : ০০৯০

রেজিস্ট্রেশন নম্বর : ০০০৯১৭

অফ: ২০১৯-২০২০

সিধো - কানহো বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষাপত্র

বর্ষ- ২০২০-২০২৪

পত্র-৪০৬

বিষয়: "নরেন্দ্রনাথ মিত্রের গল্পে দেশভাগ ও নারীমন : একটি
বিশ্লেষণ"

সমীক্ষকের নাম: কাকলী মাহাত

তত্ত্বাবধায়কের নাম: বিশ্বনাথ কুইরী

অধিবর্ষ: চতুর্থ

রোল: ৫১৪ ১১৮২২

নম্বর: ০০৯১

রেজিস্ট্রেশন নম্বর: ০০৬৭২৭

অফ: ২০১৯-২০২০

কোর্স-কোড: MBENACT -৪০৬

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সিধো - কানহো - বীরসা বিশ্ববিদ্যালয়



নিম্নাঙ্গী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অধীক্ষাপত্র

বর্ষ- ২০২০-২০২৪

পত্র - ৪০৬

বিষয় : সেলিনা হোসেনের ছোটগল্প ও বাংলাদেশের নারী সমাজ

সমীক্ষকের নাম : লক্ষ্মী বাউরী

তত্ত্বাবধায়কের নাম : জয়া ধীবর

অধিবর্ষ : চতুর্থ

কোর্স - কোড: MBENACT- 406

রোল - ৫১৪১১৮২২

নম্বর : ০০৯২

রেজিস্ট্রেশন নম্বর : ০০৬০৮২

অফ: ২০১৯-২০২০

সিধো - কানহো - বীরসা বিশ্ববিদ্যালয়



নিম্নস্কারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভিক্ষাপত্র

বর্ষ- ২০২৩-২০২৪

পত্র -৪০৬

বিষয় : (কল্লোল পত্রিকা ও বাংলা ছোটোগল্পের বিবর্তন : একটি বিশ্লেষণ)

সমীক্ষকের নাম : লিপিকা শীল

তত্ত্বাবধায়কের নাম : জয়া ধীবর

অধিবর্ষ : চতুর্থ

কোর্স - কোড: MBENACT- 406

রোল - ৫১৪১১৮২২

নম্বর : ০০৯৩

রেজিস্ট্রেশন নম্বর : ০০৪৯৫৯

অফ: ২০১৯-২০২০

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সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষা পত্র

বর্ষ :- ২০২৩-২০২৪

পত্র :- ৪০৬

বিষয় :- আশাপূর্ণা দেবীর ছোটগল্পের বহুমাত্রিক দিক

সমীক্ষকের নাম :- মোনালিসা দাস

তত্ত্বাবধায়কের নাম :- অধ্যাপিকা জয়া ধীবর

অধিবর্ষ :- চতুর্থ

কোর্স কোড :- MBENCCT406

রোল :- ৫১৪১১৮২২ নম্বর :- ০০৯৫

রেজিস্ট্রেশন নম্বর :- ০১২১৭২ অফ :- ২০১৯ - ২০২০

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিম্নাঙ্গী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষা পত্র
বর্ষ :- ২০২৩-২০২৪
পত্র :- ৪০৬

বিষয় :- মানভূমের কথা সাহিত্যিক সৈকত রক্ষিত বাংলা সাহিত্যের এক বহুমুখী প্রতিভা

সমীক্ষকের নাম :- মোমিতা মাহাত

তত্ত্বাবধায়কের নাম :- অধ্যাপিকা চিরঞ্জী সরকার

অধিবর্ষ :- চতুর্থকোর্স কোড :- MBENCCT406

রোল :- ৫১৪১১৮২২ নম্বর :- ০০৯৬

রেজিস্ট্রেশন নম্বর :- ০১৪৪৮৪ অর্ক :- ২০১৯ - ২০২০

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষাপত্র

বর্ষ: ২০২৩-২০২৪

পত্র: ৪০৬

বিষয়: মহাশ্বেতা দেবীর ছোটগল্পে প্রান্তিক জনজীবন ও প্রতিবাদী স্বর

সমীক্ষকের নাম: নিবেদিতা মাহাত

তত্ত্বাবধায়কের নাম: বিশ্বনাথ কুইরী

অধিবর্ষ: চতুর্থ

কোর্স কোড: MBENACT406

রোল: ৫১৪১১৮২২

নম্বর: ০০৯৭

রেজিস্ট্রেশন নম্বর: ০০৯৬৮৪

অফ: ২০১৯-২০২০

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সিধো - কানহো - বীরসা বিশ্ববিদ্যালয়



নিম্নাংশী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভিক্ষাপত্র

বর্ষ- ২০২০-২০২৪

পত্র -৪০৬

বিষয় : নরেন্দ্রনাথ মিত্রের ছোটগল্পে মধ্যবিত্ত জীবন ও মানসিকতা

সমীক্ষকের নাম : পার্বতী সিং

তত্ত্বাবধায়কের নাম : ড. বিশ্বনাথ কুইরি

অধিবর্ষ : চতুর্থ

কোর্স - কোড: MBENACT- 406

রোল - ৫১৪১১৮২২

নম্বর : ০০৯৯

রেজিস্ট্রেশন নম্বর : ০১০৮৭৮

অফ: ২০১৯-২০২০

(Signature)

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UG/PG

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সিধো-কানহো বীরসা বিশ্ববিদ্যালয়



নিম্নারিনী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অধীক্ষা পত্র

বর্ষ :- ২০২৩-২০২৪

পত্র :- ৪০৬

বিষয় :- প্রেমেন্দ্র মিত্রের ছোটগল্প : মধ্যবিত্তের
জীবন ও সমাজ বাস্তবতা।

সমীক্ষকের নাম :- প্রাপ্তি দুবে ।

তত্ত্বাবধায়কের নাম :- ডক্টর সুব্রত কুমার দে

অধিবর্ষ :- চতুর্থ

রোল :- ৫১৪১১৮২২ নম্বর :- ০১০০

রেজিস্ট্রেশন নং :- ০১২২২২ অফ ২০১৯-২০২০

কোর্স কোড :- MBENCCT406

সিধো - কানহো বীরসা বিশ্ববিদ্যালয়



নিম্নারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষাপত্র

বর্ষ- ২০২০-২০২৪

পত্র-৪০৬

বিষয়:- তারশঙ্কর বন্দোপাধ্যায় ও মানিক বন্দোপাধ্যায়ের ছোটগল্পে
সমাজ বিশ্লেষণ ও জীবন জটিলতা

সমীক্ষকের নাম: প্রীতি চৌধুরী

তত্ত্বাবধায়কের নাম: বিশ্বনাথ কুইরী

অধিবর্ষ: চতুর্থ

রোল: ৫১৪১১৮২২

নম্বর: ০১০১

রেজিস্ট্রেশন নম্বর: ০০৪৩৫৮

অফ: ২০১৯-২০২০

কোর্স-কোড: MBENACT406

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সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের শিক্ষার্থীদের গবেষণামূলক সমীক্ষাপত্র
বিষয় - মহাশ্বেতা দেবীর ছোটগল্পে কৃতিত্ব

সমীক্ষকের নাম - প্রিয়া ব্যানার্জী

রোল - ৫১৪১১৮২২

নম্বর - ০১০২

রেজিস্ট্রেশন নম্বর- ০০৫০৭১

বর্ষ - ২০১৯-২০২০

পত্র:- ৪০৬

অধ্যাপকদের নাম - অধ্যাপিকা তৃপ্তা বীর

৩৭৫

সিধো কানহো বীরসা বিশ্ববিদ্যালয়



নিম্নাংশী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষা পত্র

বর্ষ - ২০২৩-২০২৪

পত্র - ৪০৬

বিষয় - বনফুলের ছোটগল্পের বিষয় - বৈচিত্র্য ও অভিনবত্ব

নাম - ঋতুপর্ণা সেন মোদক

তত্ত্বাবধায়কের নাম - ড. চিরঞ্জিৎ রায়

অধিবর্ষ - চতুর্থ

কোর্সকোড - MBENACT406

রোল 51411822 নম্বর -0103

রেজিস্ট্রেশন নম্বর - 009808 অফ 2019 - 2020

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিম্নারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষা পত্র

বর্ষ :- ২০২৩-২০২৪

পত্র :- ৪০৬

বিষয় :- সেকত রক্ষিতের ছোটোগল্পে (নির্বাচিত) নিম্নবর্ণের জীবন-জীবিকা

সমীক্ষকের নাম :- রিয়াক্ষা মন্ডল

তয়াবধায়কের নাম :- অধ্যাপিক ডঃ চিরঞ্জিৎ রায়

অধিবর্ষ :- চতুর্থ

কোর্স কোড :- MBENCCT406

রোল :- ৫১৪১১৮২২ নম্বর :- ০১০৪

রেজিস্ট্রেশন নম্বর :- ০০৯৮১৫ অফ :- ২০১৯ - ২০২০

সিধো - কানহো - বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের আভীক্ষাপত্র
বর্ষ - ২০২৩-২০২৪
পত্র - ৪০৬

বিষয় :- বাংলা ছোটগল্পে রঙ্গ ব্যঙ্গ কৌতুক ও বিদ্রুপ
(ত্রৈলোক্যনাথ , প্রভাতকুমার ও পরশুরাম)

সমীক্ষকের নাম :- সানন্দা মাহাত

তত্ত্বাবধায়কের নাম :- চিরশ্রী সিদ্ধান্ত সরকার

অধিবর্ষ :- চতুর্থ

কোর্স - কোড :- **MBENACT406**

রোল :- ৫১৪১১৮২২ নম্বর :- ০১০৭

রেজিস্ট্রেশন নম্বর :- ০০৭২৮৭ অফ :- ২০১৯-২০২০

সিধো - কানহো - বীরসা বিশ্ববিদ্যালয়



নিষ্ঠারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অডীক্লাপত্র

বর্ষ- ২০২০-২০২৪

পত্র - ৪০৬

বিষয় : প্রেমেন্দ্র মিত্রের ছোটগল্পে মধ্যবিত্ত জীবন

সমীক্ষকের নাম : সরস্বতী মাহাত

তত্ত্বাবধায়কের নাম : ড. চিরঞ্জিৎ রায়

অধিবর্ষ : চতুর্থ

রোল - ৫১৪১১৮২২

রেজিস্ট্রেশন নম্বর : ০০৯৮৫৬

কোর্স - কোড : MBENACT406

নম্বর : ০১০৯

অফ : ২০১৯-২০২০

সিধো কানহো বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভিক্ষাপত্র

বর্ষ - ২০২৩-২০২৪

পত্র - ৪০৬

বিষয়:- রাজশেখর বসু ও শিবরাম চক্রবর্তীর হাস্যরসাত্মক ছোটগল্প
(নির্বাচিত): একটি তুলনামূলক আলোচনা

সমীক্ষকের নাম :- শ্রেয়া দাস মোদক

তত্ত্বাবধায়কের নাম :- ড. চিরঞ্জিৎ রায়

অধিবর্ষ :- চতুর্থ

কোর্সকোড :- MBENACT406

রোল :- ৫১৪১১৮২২

নম্বর :- ০১১২

রেজিস্ট্রেশন নম্বর :- ০০৯৮৭৮ অফ :- ২০১৯-২০২০

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিম্নাংগী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষা পত্র

বর্ষ:- ২০২৩-২০২৪

পত্র:- ৪০৬

বিষয়:- ঝড়েশ্বর চট্টোপাধ্যায়ের নির্বাচিত ছোটগল্পে ব্রাত্য সমাজ

সমীক্ষকের নাম:- সুস্মিতা মাহাত

তত্ত্বাবধায়কের নাম:- অধ্যাপিকা চিরশ্রী সিদ্ধান্ত সরকার

অধিবর্ষ:- চতুর্থ

কোর্স কোড:- MBENCCT406

রোল:- ৫১৪১১৮২২ নম্বর:- ০১১৭

রেজিস্ট্রেশন নম্বর:- ০০৯৯৫০ অফ:- ২০১৯-২০২০

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



ନିସ୍ତାରিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষা পত্র

বর্ষ :- ২০২৩-২০২৪

পত্র :- ৪০৬

বিষয় :- বাংলা ছোটগল্পে তারালঙ্কার ও বিভূতিভূষণ (প্রবৃত্তি, নিয়তি, নিস্বর্গ, ঈশ্বর),

সমীক্ষকের নাম :- ^{সুশীলা} সুশীলা বাউরী

তত্ত্বাবধায়কের নাম :- অধ্যাপিকা চিরঞ্জী সরকার

অধিবর্ষ :- চতুর্থকোর্স কোড :- MBENCCT406

রোল :- ৫১৪১১৮২২ নম্বর :- ০১১৮

রেজিস্ট্রেশন নম্বর :- ০০৮২৪২ অফ :- ২০১৯ - ২০২০

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সিধো-কানহো-বীরসা বিশ্ব বিদ্যালয়



নিম্নাঙ্গী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভিজ্ঞাপত্র

বর্ষ - ২০২৩-২০২৪

পত্র- ৪০৬

বিষয়: জ্যোতিরিন্দ্র নন্দীর ছোটগল্পের বহুমাত্রিকতা।

সমীক্ষকের নাম- তনুশ্রী কিস্কু

তত্ত্বাবধায়কের নাম- ড. সুব্রত কুমার দে

অধিবর্ষ- চতুর্থ

কোর্স- কোড- MBENACT406

রোল- ৫১৪১১৮২২

নম্বর- ০১১৯

রেজিস্ট্রেশন নম্বর- ০১১২৬৭

অফ- ২০১৯-২০২০

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সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



ନিস୍ତாரিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের অভীক্ষা পত্র

বর্ষ :- ২০২৩-২০২৪

পত্র :- ৪০৬

বিষয় :- মানিক বন্দ্যোপাধ্যায় ও নারায়ণ গঙ্গোপাধ্যায়ের ছোটগল্পে মানাবক মূল্যবোধের
অবক্ষয়ের চিত্র

সমীক্ষকের নাম :- টুঙ্গা হাজারা

তত্ত্বাবধায়কের নাম :- অধ্যাপক বিশ্বনাথ কুইরী

অধিবর্ষ :- চতুর্থ

কোর্স কোড :- MBENCCT406

রোল :- ৫১৪১১৮২২ নম্বর :- ০১২০

রেজিস্ট্রেশন নম্বর :- ০০৯৯৭৮ অফ :- ২০১৯ - ২০২০



NISTARINICOLLEGE, PURULIA
(GOVT. SPONSORED) * NAAC ACCREDITED "A" GRADE
Deshbandhu Road, P.O. & Dist: Purulia, Pin: 723101, West Bengal

Ref.No. _____

Date: _____

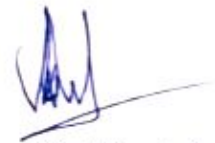
TO WHOM IT MAY CONCERN

This is to certify that the Field Report entitled "A GEOGRAPHICAL REPORT ON SOCIO-ECONOMIC STUDIES OF MOUZA ANDHRA ALIAS HATHINADA, C.D. BLOCK-BAGHMUNDI IN PURULIA DISTRICT" that is being submitted by Roll 118551 No. 2114892 Registration No. 012123 of the year 2021-2022 for partial fulfillment of the syllabus of B. A/B.Sc. Sem.-V Geography Honours, 2023 under SIDHO-KANHO-BIRSHA UNIVERSITY, PURULIA and is a record of bonafide work carried out by the student under my supervision.


16/01/24

Signature of the supervisor

Department of Geography
Nistarini College, Purulia



Signature of the Principal
Principal
Nistarini College, Purulia




NISTARINICOLLEGE, PURULIA
(GOVT. SPONSORED) * NAAC ACCREDITED "A" GRADE
Deshbandhu Road, P.O. & Dist: Purulia, Pin: 723101, West Bengal

Ref.No. _____

Date: _____

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Signature of the supervisor
Department of Geography
Nistarini College, Purulia



Signature of the Principal
Principal
Nistarini College, Purulia

Ref.No. _____

Date:

TO WHOM IT MAY CONCERN

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16/01/24
Signature of the supervisor

In-charge of Examinations,
Nistarni College, Purulia


Signature of the Principal
Nistarni College, Purulia



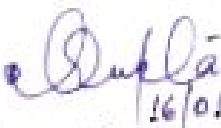
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Deshbandhu Road, P.O. & Dist: Purulia, Pin: 723101, West Bengal

Ref.No. _____

Date: _____

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16/01/24

Signature of the supervisor

Department of Geography
Nistarini College, Purulia



Signature of the Principal

Principal
Nistarini College, Purulia



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16/01/24
Signature of the supervisor

Department of Geography
Nistarini College, Purulia


Signature of the Principal
Principal
Nistarini College, Purulia



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16/01/24

Signature of the supervisor

Department of Geography,
Nistarini College, Purulia



Signature of the Principal

Principal
Nistarini College, Purulia



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Ref.No. _____

Date: _____

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16/01/24

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Department of Geography
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Nistarini College, Purulia



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Deshbandhu Road, P.O. & Dist: Purulia, Pin: 723101, West Bengal

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Date: _____

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Signature of the supervisor
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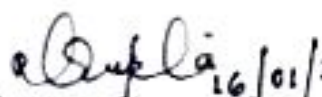
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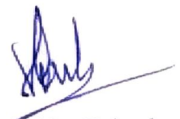
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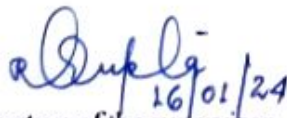
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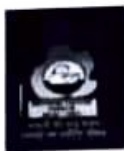
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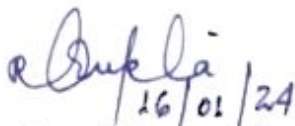
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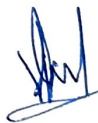
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Date :10.07.2024.....

CERTIFICATE

This certifies that **Anneswna Roy**, bearing Roll- 118641 No.2114794, Registration Number- 012021 of 2021-22 carried out the work, in her B.Sc. (Hons.) course in Environmental Science. She has incorporated the dissertation works in this project entitled “Impact on Biodiversity for Forest fire in the Amazon Rainforest” under my constant supervision and guidance. She has fulfilled all the basic requirements and is submitted in partial fulfillment of the degree of B.Sc. (Hons.) in Environmental Science of the Sidho-Kanho-Birsha University, Purulia.

Shayantika Dey

Smt. Shayantika Dey
Department of Env. Science
Nistarini College, Purulia

Dr. Indrani Deb
10/7/24

Dr. Indrani Deb
Principal
Nistarini College, Purulia



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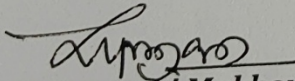
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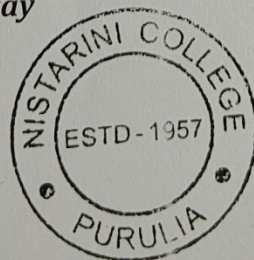
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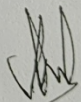
Date :10.07.2024.....

CERTIFICATE

This certifies that *Arpita Panda*, bearing Roll- 118641 No.2114799, Registration Number- 012026 of 2021-22 carried out the investigation in her B.Sc. (Hons.) course in Environmental Science. She has incorporated the dissertation works in this project entitled “Impacts of Air Pollution on Selected Biochemical Parameters of Plants Growing at Nistarini College Campus, Deshbandhu Road, Purulia (West Bengal), India” under my constant supervision and guidance. She has fulfilled all the basic requirements and followed the work and regulations relating to nature of investigation as lay down by the Institution. This work embodied some results of original observations made by her and is submitted in partial fulfillment of the degree of B.Sc. (Hons.) in Environmental Science of the Sidho-Kanho-Birsha University, Purulia.


Dr. Sabyasachi Mukhopadhyay
Department of Env. Science
Nistarini College, Purulia




Dr. Indrani Deb
Principal
Nistarini College, Purulia
Principal
Nistarini College, Purulia

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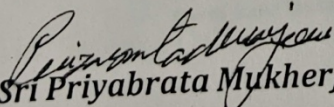
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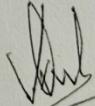
Date : ...10.07.2024.....

CERTIFICATE

This certifies that **Debasmita Kar**, bearing Roll- 118641 No.2114811, Registration Number- 012038 of 2021-22 carried out the investigation in her B.Sc. (Hons.) course in Environmental Science. She has incorporated the dissertation works in this project entitled “Phytoplankton Diversity on Kangshabati River” under my constant supervision and guidance. She has fulfilled all the basic requirements and followed the work and regulations relating to nature of investigation as lay down by the Institution. This work embodied some results of original observations made by her and is submitted in partial fulfillment of the degree of B.Sc. (Hons.) in Environmental Science of the Sidho-Kanho-Birsha University, Purulia.


Sri Priyabrata Mukherjee
Department of Env. Science
Nistarini College, Purulia




Dr. Indrani Deb
Principal
Nistarini College, Purulia
Principal
Nistarini College, Purulia

**SEASONAL VARIATION OF PLANTS'
TOLERANCE TO AIR POLLUTANTS GROWING
AT NISTARINI COLLEGE CAMPUS,
DESHBANDHU ROAD, PURULIA, WB, INDIA**

**FOR PARTIAL FULLFILLMENT OF THE DEGREE OF B.sc. IN
ENVIRONMENTAL SCIENCE OF SIDHO-KANHO-BIRSA
UNIVERSITY (2024)**

Submitted by

MOUMITA MAHATO

**ROLL: 118641 NO: 2114831
REGISTRATION NO: 012058 of 2021-22**

Supervised by

Dr. Moumita Sinha



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
NISTARINI COLLEGE, SIDHO-KANHO-BIRSHA
UNIVERSITY, PURULIA**

REPORT

ON

FIELD WORK / TERM PAPER / DISSERTATION
(ENVIRONMENTAL STUDIES)

SEMESTER-

18
Nourin Sh

TOPIC: Environmental Ethics

SUBMITTED BY



STREAM : B.A. / B. Sc.

COLLEGE ROLL : _____

SKBU ROLL (ADMIT CARD) : 118821-

NO. (ADMIT CARD) : 2321337

REGISTRATION NUMBER: 11301 of 23-24

CONTACT NUMBER: _____

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19
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ON
FIELD WORK / TERM PAPER / DISSERTATION
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TOPIC: Environmental Movements

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REGISTRATION NUMBER: 11595

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TOPIC: Solid Waste Management

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TOPIC: to feminism.....

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CONTACT NUMBER:

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19
Manita Singh

TOPIC: PLASTIC POLLUTION

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NO. (ADMIT CARD) : 2322269

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TOPIC: Arsonic in Groundwater

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NO. (ADMIT CARD) : 2322504

REGISTRATION NUMBER: 12464

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TOPIC: Global Warming

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CONTACT NUMBER: -

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TOPIC: Renewable Source of Energy

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TOPIC: Coastal Pollution

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COLLEGE ROLL : —

SKBU ROLL (ADMIT CARD) : 118831

NO. (ADMIT CARD) : 2323079

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CONTACT NUMBER: —

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TOPIC: Oil Spillage and Marine Life

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COLLEGE ROLL : —
SKBU ROLL (ADMIT CARD) : 118831
NO. (ADMIT CARD) : 2323256
REGISTRATION NUMBER: 13214 of 23-24.
CONTACT NUMBER: —

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