

GOVERNMENT AUTONOMOUS COLLEGE, ANGUL, ODISHA-759143
ସରକାରୀ ସ୍ୱୟଂଶାସିତ ମହାବିଦ୍ୟାଳୟ, ଅନୁଗୋଳ, ଓଡ଼ିଶା: ୭୫୯୧୪୩
[email:principalgaca@gmail.com](mailto:principalgaca@gmail.com)

LIST OF RECOGNISED Ph.D. RESEARCH SUPERVISORS

It is hereby declared that following faculty members of the college are recognized as research supervisors in Utkal University/ different universities of the state.

SL NO	FACULTY NAME	DEPARTMENT
1	Dr. Basanta Kumar Sahoo	Physics
2	Dr. Suresh Chandra Rajahansa	Odia
3	Dr. Smita Tapaswini	Mathematics
4	Dr. Kanhu Charan Padhi	Odia
5	Dr. Prafulla Chandra Rout	Zoology


COORDINATOR
RESEARCH & COORDINATION COMMITTEE


PRINCIPAL
Principal
Govt. Auto. College, Angul



UTKAL UNIVERSITY
VANI VIHAR, BHUBANESWAR-751004,
/2023,

Revised

No. Exam. VII / **E 2664**
From: The Controller of Examinations,
Utkal University, Vani Vihar,
Bhubaneswar.

Dated: **20.2.23**

To
Santosh Kumar Barik
C/o- Girish Chandra Barik
At-Radha Raman Pada
Po/Ps/Dist- Angul, Pin-759122.

Sub: - Ph. D Registration.

Dear scholar,

You have been registered for the Ph. D. Examination in the subject **Physics**, under Supervision of Dr. Basanta Kumar Sahoo, Asst. Prof. P.G Department of Physics, Govt. Autonomous College, Angul. The name of topic is "**Theoretical Study of Electronic Properties in Iron Pnictide High Tc Superconductors.**" and your registration number is **01-Physics -2022-23 & date of registration -10-09-2022.**

1. You have to quote your registration number and date of registration in all your correspondences.
2. Your place of Research Work is **P.G Department of Physics, Govt. (Autonomous) College, Angul.**
3. You can submit your Ph.D. Thesis after completion of **3 (three) years** (Including Course Work in case the candidate fails to successfully complete the course work in first chance and successfully complete in 2nd chance the eligibility for submission of Ph.D. thesis shall be three and half year from the date of Registration) on presentation of pre-submission seminar and recommendation of DRC (Departmental Research Committee). Further you should have at least one publication of Research paper in referred journal and make two paper presentations in conferences/seminar before the submission of the thesis based on the findings of the research for adjudication and produce evidence for those in from of presentation certificate/ reprints. A certificate from the Head/ Principal/ Director is to be produced at the time of Ph.D. thesis submission.
4. You are required to submit the thesis within a period of **6 (Six) years** from the date of registration failing which it will be treated as cancelled. Relaxations of two years in maximum duration allowed to women candidates.
5. Ordinarily there shall be no change in the research topic after final registration.
6. All the scholar irrespective of department, whose date of registration to Ph.D. programme is on or after 18th February, 2018 have to deposit a mandatory processing fee of Rs. 500/- in shape of Bank Draft drawn in favour of comptroller of Finance, Utkal University, at the time of submission of half yearly progress report to Controller of Examinations duly certified by supervisor and forwarded by chairperson, DRC (Departmental Research Committee).
7. As a regular Ph.D. student you have a mandatory of 2 (two) years of residency period in the place of research.
8. The candidate shall present the pre-submission seminar before the DRC (Departmental Research Committee) at least two months before the final submission. The feedback and comments obtained from DRC (Departmental Research Committee) may be suitable incorporated into the draft thesis. The period between the date of pre-submission seminar and date of final submission of thesis shall not be more than three months.
9. The candidate is required to give in writing through supervisor to the office of the Controller of Examinations at least Six month before the date of Ph.D. Thesis submission.
10. Any suppression of facts or contravention to rule liable to cancellation of your registration.
11. You have deposited Rs. 1500/- vide B.C. / B.D. No. 807129 dated. 07.12.2022 and M.R. No. 7561 date. 07.12.2022 towards fees for registration.

Memo No: - Exam. VII / **E-2665**
Copy forwarded to:

1. Dr. Basanta Kumar Sahoo, Asst. Prof. P.G Department of Physics, Govt. Autonomous College, Angul.
2. Chairman, DRC Physics, PG Department of Physics, Utkal University Bhubaneswar for information.
3. HOD, PG Department of Physics, Utkal University, Vani Vihar, Bhubaneswar for information.
4. Director R&D, Utkal University for information.
5. Section Officer EC-VI for information.

CONTROLLER OF EXAMINATIONS
Dated: **20.2.23**

CONTROLLER OF EXAMINATIONS



ph.D. - 2022-23 (wonder)
Zoology

**GANDHI INSTITUTE OF ENGINEERING & TECHNOLOGY UNIVERSITY,
GUNUPUR, DIST.- RAYAGADA, (ODISHA) PIN- 765022**

No: 78 /GIETU/Ph.D./2024

Date 30/7/2024

Dr. N.V. J. Rao, Ph.D.
Registrar.

To

Mr. Bibhuti Bhusan Mohapatra, At-Suhagpur, PO-Mangalpur,
PS- Pipili, Dist- Puri, (Orisha), PIN- 752104

Sub- Registration for Ph.D. degree under the Department of **Life-Sc. (Zoology)**,
School of Sciences, GIETU, Gunupur.

Ref- Your application dated **29-07-2024**

Dear Scholar,

With reference to your application for the registration for Ph.D. degree on the above subject, I am directed to inform you that basing on the recommendation of the Doctoral Research Committee (DRC), the Vice-Chancellor has been pleased to permit you to register for Ph.D. in the **Department of Life-Sc. (Zoology)**, **School of Sciences**, GIETU, Gunupur, subject to fulfillment of the conditions laid down in the relevant regulations.

Your date of enrollment into the Ph. D programme is **27-03-2023**

You have been allotted with Registration Number – **22WPHZO-001** with effect from **29-07-2024**

The name of the title is :-

"Exploring the Effect of Sublethal Doses of Lead on Chhana Punctatus."

You are required to work under the Supervisor and Co-supervisor as detailed below

SI No	Name & Address	Approved as
1	Dr. Swastik Behara, Assistant Professor, In Life-Sc. (Zoology), School of Sciences, GIETU, Gunupur	Supervisor
2	Dr. Prafulla Chandra Rout, Assistant Professor of Zoology, Govt. (Auto) College, Angul, <u>Email- pqr.bana@gmail.com</u> , MOB-9437105903	Co-Supervisor

P.T.O

1. Your place of research work is the **Department of of Life-Sc (Zoology), under School of Sciences** , GIETU, Gunupur.
2. Your date of registration is **29-07-2024** However, the renewal of registration may be considered after completion Of 4 years from the date of enrolment. The scholar cannot avail annual renewal for more than 2 times.
3. You are required to submit your quarterly progress report in **online mode** on the research work through your supervisor.
4. You are also required to make two Half yearly progress presentations in **offline mode** annually, failing which your registration is liable to be cancelled. Thus, a minimum of **six quarterly progress presentations and six half-yearly presentations** are necessary to become eligible for the pre-talk.
5. The Supervisor/Co-Supervisor shall be mandatorily present in all the presentations (Synopsis/Renewal/Pre- Submission).
6. You should have at least **two refereed/Peer Reviewed Publications in Journals (SCOPUS/SCI/ACM/IEEE/ASME/WEB OF SCIENCE/UGC CARE LIST) and participation & publications in at least One International/National Conference/Seminar (Scopus Indexed peer reviewed) based on the findings of the research. In all the publications made by scholar, the scholar and supervisor with GIET University affiliation should be the first and second author respectively. However, the Co-Supervisor recognized/approved by the GIET University may be the third author. Publications/Conference should be approved by the respective DRC, publication Sub- Committee and finally by the Publication Committee.**
7. At least six months prior to the date of submission of the thesis, you are required to inform the Controller of Examinations through your supervisor in writing about the date of submission of your thesis.
8. You can submit your Ph. D thesis after completion of **3 years** (Including Course Work) from the date of enrollment on presentation of Pre-Submission Seminar and recommendation of the DRC.
9. In exceptional cases, the Vice-Chancellor may permit submission of **thesis 6 months** earlier on production of quality publication in refereed/Peer reviewed journals and patent grants.
10. You shall submit the consent letter from your principal supervisor.

Memo No- 79 /GIETU/Ph.D./2024

M. N. Das
30/7/2024

Registrar,
GIET University, Gunupur
Date: 30/7/2024

Copy forwarded to the PS to Hon'ble Vice-Chancellor, GIET University, Gunupur for kind information of the Hon'ble Vice-Chancellor

Memo No- 80 /GIETU/Ph.D./2024

M. N. Das
30/7/2024

Registrar,
GIET University, Gunupur
Date: 30/7/2024

Copy forwarded to the Dean (Academics)/Dean (R&D)/ Controller of Examinations /Supervisor/Co-Supervisor/ Chairman, DRC, **Life-Sc. (Zoology)**, for information

M. N. Das
30/7/2024

Registrar,
GIET University, Gunupur
GIET University, Gunupur



**GANDHI INSTITUTE OF ENGINEERING & TECHNOLOGY UNIVERSITY,
GUNUPUR, DIST.-RAYAGADA, (ODISHA) PIN- 765022**

No: 81 GIETU/Ph.D./2024

Date: 30/7/2024

To

**Dr. Swastik Behara, Assistant Professor, Life-Sc. (Zoology)
School of Sciences, GIETU, Gunupur**

Sub: Appointment letter for Research Supervisor- reg.
Sir/Madam,

On the recommendation of the DRC, you are hereby appointed as research supervisor to guide the following research scholar for pursuing his/her Ph.D. programme. Further, you are required to discharge the following responsibilities for the guidance of the scholar and for the research development of GIET University, Gunupur. The details of the scholars are mentioned below for your reference.

Sl No.	Regd No.	Name of the Scholar	Title
1	22WPHZO-001	Mr. Bibhuti Bhusan Mohapatra	"Exploring the Effect of Sublethal Doses of Lead on Chhana Punctatus."

Responsibilities of the Supervisor:-

Supervisor and scholar need to be fully aware of the extent of one another's responsibilities, to enable both to understand (i) the supervisor's contribution for supporting the scholar and (ii) where the supervisor's responsibilities includes:-

- Provision of satisfactory guidance and advice on the conduct of the Scholars research programme;
- Regular monitoring of the progress of the scholars research programme;
- Ensuring his/her accessibility to the scholar, when he/she needs advice;
- Maintaining appropriate records of supervisory meetings and interim correspondence;
- Input into the assessment of scholars development needs;
- Provision of timely, constructive and effective feedback on the scholars work, including his/her overall progress with in the programme;
- Provision of advice and guidance to enable the scholar to conduct his/her research according to ethical principles and advice on the implications of research misconduct;

Yours faithfully,

M. N. Behara
Registrar

GIETU, Gunupur

Date: 30/7/2024

Memo No- 82 -----GIETU/Ph.D./2024

Copy forwarded to the Research scholar/ Co-Supervisor/Chairman, DRC, Life-Sc. (Zoology), /Controller of Examinations for information.

M. N. Behara
Registrar

GIETU, Gunupur

M. N. Behara
30/7/2024



**GANDHI INSTITUTE OF ENGINEERING & TECHNOLOGY UNIVERSITY,
GUNUPUR, DIST.- RAYAGADA, (ODISHA) PIN- 765022**

No:-----83-----GIETU/Ph.D./2024

Date: 30/7/2024

To

**Dr. Prafulla Chandra Rout, Assistant Professor of Zoology,
Govt. (Auto) College, Angul, Email-pcr.bana@gmail.com, MOB-9437105903**

Sub: Appointment letter for Research Co- Supervisor- reg.
Sir,

Your application for Research Guide ship (for Ph. D-Programme) is accepted in principle and approved based on the recommendations of the DRC. Further, you are required to discharge the following responsibilities as co-supervisor for the guidance of the scholar and for the research development of GIET University, Gunupur. The details of the scholars are mentioned below for your reference.

Sl. No.	Regd. No.	Name of the Scholar	Title
1	22WPHZO-001	Mr. Bibhuti Bhusan Mohapatra	"Exploring the Effect of Sublethal Doses of Lead on Chhana Punctatus."

Responsibilities of the Co-Supervisor:-

Supervisor/Co-Supervisor and scholar need to be fully aware of the extent of one another's responsibilities, to enable both to understand (i) the supervisor/Co-Supervisor's contribution for supporting the scholar and (ii) where the Co-supervisor's responsibilities include:-

- Provision of satisfactory guidance and advice and mentoring on the conduct of the Scholars research programme;
- Regular monitoring of the progress of the scholar's research programme;
- Ensuring his/her accessibility to the scholar, when he/she needs advice;
- Maintaining appropriate records of supervisory meetings and interim correspondence;
- Input into the assessment of scholars development needs;
- Provision of timely, constructive and effective feedback on the scholar's work, including his/her overall progress with in the programme;
- Provision of advice and guidance to enable the scholar to conduct his/her research according to ethical principles and advice on the implications of research misconduct;

Yours faithfully,

Memo No-----84-----GIETU/Ph. D/2024

Date:- 30/7/2024

Copy forwarded to the Research scholar/ Supervisor/Chairman, DRC, Life-Sc. (Zoology), /Controller of Examinations for information.

Registrar
GIETU, Gunupur

30/7/2024



UTKAL UNIVERSITY
VANIVIHAR, BHUBANESWAR-751004.

No. Exam. VII / **E59**

/2023,

Dated: **2.1.24**

From:

The Controller of Examinations,
Utkal University, Vani Vihar,
Bhubaneswar.

To

Dr. Smita Tapaswini
Department of Mathematics,
Govt. (Auto) College, Angul.

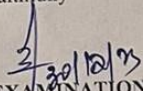
Sub: -Recognition of Research Supervisor.
Ref: - Your Application dated 05.05.2023

Sir/Madam,

This is to inform you that you have been permitted to act as Research Supervisor in Mathematics Department of this University.

The Nos. of scholars under your supervision will be limited in conformity to UGC notification 2016 and subsequent amendment in this regards.

Yours faithfully

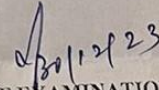

CONTROLLER OF EXAMINATIONS

Dated: **2.1.24**

Memo No.Exam. VII/ **E60** /2023,

Copy to:-

1. The Chairman, DRC Mathematics, P.G Department of Mathematics for information.


CONTROLLER OF EXAMINATIONS



ph.D - 2023-24 (S)

Zoology

By Email

**GANDHI INSTITUTE OF ENGINEERING & TECHNOLOGY UNIVERSITY,
GUNUPUR, DIST.- RAYAGADA, (ODISHA) PIN- 765022**

No: 232 /GIETU/Ph.D./2024

Date 17/10/2024

Dr. N.V. J. Rao, Ph.D.

Registrar.

To

Mr. Jeeban Kumar Nanda, Sasan Sahi, Deogarh, (Odisha), PIN- 768108

Sub- Registration for Ph.D. degree under the Department of Department of Life-Sc., (Zoology), SOS, GIETU, Gunupur.

Ref- Your application dated 29-07-2024

Dear Scholar,

With reference to your application for the registration for Ph.D. degree on the above subject, I am directed to inform you that basing on the recommendation of the Doctoral Research Committee (DRC), the Vice-Chancellor has been pleased to permit you to register for Ph.D. in the Department of, Life-Sc., (Zoology), SOS GIETU, Gunupur, subject to fulfillment of the conditions laid down in the relevant regulations.

Your date of enrollment into the Ph. D programme is 28-08-2023

You have been allotted with Registration Number – 23SPHZO-002 with effect from 29-07-2024

The name of the title is :-

"Epidemiological Studies of Inhabitants Around A Derelict Lead Mine Area in Sargipalli, Sundargarh District, Odisha"

You are required to work under the Supervisor and Co-supervisor as detailed below

SI No	Name & Address	Approved as
1	Dr. Swastik Behera, Assistant Professor, Dept. of Life-Sc., (Zoology), GIETU, Gunupur	Supervisor
2	Dr. Prafulla Chandra Rout, Assistant Professor, Govt. Auto College, Angul, PIN- 759143, MOB- 9437105903 Email-pcr.bana@gmail.com	Co-Supervisor

P.T.O

1. Your place of research work is the **Department of, Life-Sc., (Zoology), SOS, GIETU, Gunupur.**
2. Your date of registration is **29-07-2024.** However, the renewal of registration may be considered after completion of 4 years from the date of enrolment. The scholar cannot avail annual renewal for more than 2 times.
3. You are required to submit your quarterly progress report in **online mode** on the research work through your supervisor.
4. You are also required to make two Half yearly progress presentations in **offline mode** annually, failing which your registration is liable to be cancelled. Thus, a minimum of **six quarterly progress presentations and six half-yearly presentations** are necessary to become eligible for the pre-talk.
5. The Supervisor/Co-Supervisor shall be mandatorily present in all the presentations (Synopsis/Renewal/Pre- Submission).
6. **You should have at least two refereed/Peer Reviewed Publications in Journals (SCOPUS/SCI/ACM/IEEE/ASME/WEB OF SCIENCE/UGC CARE LIST) and participation & publications in at least One International/National Conference/Seminar (Scopus Indexed/peer Reviewed) based on the findings of the research. In all the publications made by scholar, the scholar and supervisor with GIET University affiliation should be the first and second author respectively. However, the Co-Supervisor recognized/approved by the GIET University may be the third author. Publications/Conference should be approved by the respective DRC, publication Sub-Committee and finally by the Publication Committee.**
7. At least six months prior to the date of submission of the thesis, you are required to inform the Controller of Examinations through your supervisor in writing about the date of submission of your thesis.
8. You can submit your Ph. D thesis after completion of **3 years** (Including Course Work) from the date of enrollment on presentation of Pre-Submission Seminar and recommendation of the DRC.
9. In exceptional cases, the Vice-Chancellor may permit submission of **thesis 6 months** earlier on production of quality publication in refereed/Peer reviewed journals and patent grants.
10. You shall submit the consent letter from your principal supervisor.

Memo No-233/GIETU/Ph.D./2024

Date: 17/10/2024

Copy forwarded to the PS to Hon'ble Vice-Chancellor, GIET University, Gunupur for kind information of the Hon'ble Vice-Chancellor

Memo No-234/GIETU/Ph.D./2024

Date: 17/10/2024

Copy forwarded to the Dean (Academics)/Dean (R&D)/ Controller of Examinations /Supervisor/Co-Supervisor/ Chairman, DRC Life-Sc., (Zoology), SOS, for information

Registrar,
GIET University, Gunupur



**GANDHI INSTITUTE OF ENGINEERING & TECHNOLOGY UNIVERSITY,
GUNUPUR, DIST.- RAYAGADA, (ODISHA) PIN- 765022**

No: 235 GIETU/Ph.D./2024

Date: 17/10/2024

To

**Dr. Swastik Behera, Assistant Professor, Dept. of
Life-Sc., (Zoology), GIETU, Gunupur**

Sub: Appointment of Research Supervisor- reg.
Sir/Madam,

The allotment made by the RAC of the concerned department to act you as research supervisor of the following research scholar is hereby approved.

Sl No.	Regd No.	Name of the Scholar	Title
1	23SPHZO-002	Mr. Jeeban Kumar Nanda	"Epidemiological Studies of Inhabitants Around A Derelict Lead Mine Area in Sargipalli, Sundargarh District, Odisha"

Further, you are required to discharge the following responsibilities for the guidance of the scholar and for the research development of GIET University, Gunupur.

Responsibilities of the Supervisor: -

Supervisor and scholar need to be fully aware of the extent of one another's responsibilities, to enable both to understand (i) the supervisor's contribution for supporting the scholar and (ii) where the supervisor's responsibilities includes:-

- Provision of satisfactory guidance and advice on the conduct of the Scholars research programme;
- Regular monitoring of the progress of the scholars research programme;
- Ensuring his/her accessibility to the scholar, when he/She needs advice;
- Maintaining appropriate records of supervisory meetings and interim correspondence;
- Input into the assessment of scholars development needs;
- Provision of timely, constructive and effective feedback on the scholars work, including his/her overall progress with in the programme;
- Provision of advice and guidance to enable the scholar to conduct his/her research according to ethical principles and advice on the implications of research misconduct;

Yours faithfully,

M. G. Das
Registrar
GIETU, Gunupur

Memo No- 236 -----GIETU/Ph.D./2024

Date: 17/10/2024

Copy forwarded to the Research scholar/ Co-Supervisor/Chairman, DRC, Life-Sc (Zoology)SOS /Controller of Examinations for information.

M. G. Das
Registrar,
GIETU, Gunupur



**GANDHI INSTITUTE OF ENGINEERING & TECHNOLOGY UNIVERSITY,
GUNUPUR, DIST.- RAYAGADA, (ODISHA) PIN- 765022**

No: 237 GIETU/Ph.D./2024

Date: 17/10/2024

To

**Dr. Prafulla Chandra Rout, Assistant Professor, Govt. Auto College,
Angul, PIN- 759143, MOB- 9437105903 Email-pcr.bana@gmail.com**

Sub: Appointment of Research Co- Supervisor- reg.
Sir,

Your application for Research Guide ship (for Ph. D-Programme) is accepted in principle and approved based on the recommendations of the DRC. Further, you are required to discharge the following responsibilities for the guidance of the scholar and for the research development of GIET University, Gunupur. The details of the scholars are mentioned below for your reference.

Sl. No.	Regd. No.	Name of the Scholar	Title
1	23SPHZO-002	Mr. Jeeban Kumar Nanda	"Epidemiological Studies of Inhabitants Around A Derelict Lead Mine Area in Sargipalli, Sundargarh District, Odisha"

Responsibilities of the Co-Supervisor:-

Supervisor/Co-Supervisor and scholar need to be fully aware of the extent of one another's responsibilities, to enable both to understand (i) the supervisor/Co-Supervisor's contribution for supporting the scholar and (ii) where the Co-supervisor's responsibilities include:-

- Provision of satisfactory guidance and advice and mentoring on the conduct of the Scholars research programme;
- Regular monitoring of the progress of the scholar's research programme;
- Ensuring his/her accessibility to the scholar, when he/she needs advice;
- Maintaining appropriate records of supervisory meetings and interim correspondence;
- Input into the assessment of scholars development needs;
- Provision of timely, constructive and effective feedback on the scholar's work, including his/her overall progress with in the programme;
- Provision of advice and guidance to enable the scholar to conduct his/her research according to ethical principles and advice on the implications of research misconduct;

Yours faithfully,

Registrar,

GIETU, Gunupur
GIET University, Gunupur

Date:- 17/10/2024

Memo No- 238 GIETU/Ph. D/2024

Copy forwarded to the Research scholar/ Supervisor/Chairman, DRC, Life-Sc (Zoology)SOS /Controller of Examinations for information.



UTKAL UNIVERSITY
VANI VIHAR, BHUBANESWAR-751004.

No. Exam. VII/E- 19511 /2024,

Dated: 21.12.24

From:
The Controller of Examinations,
Utkal University, Vani Vihar,
Bhubaneswar.

To
Dr. Kanhucharan Padhy
Associate Professor,
Govt. Auto College, Angul-759143.

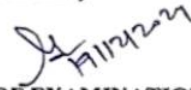
Sub: -Recognition of Research Supervisor.
Ref: - Your Application dated -27.09.2024

Sir/Madam,

This is to inform you that you have been permitted to act as Research Supervisor in Odia Department of this University.

The Nos. of scholars under your supervision will be limited in conformity to UGC notification 2016 and subsequent amendment in this regards.

Yours faithfully


CONTROLLER OF EXAMINATIONS

Memo No.Exam. VII/E- 19512 /2024
Copy to:-

Dated: 21.12.24

1. The Chairman, DRC Odia, P.G Department of Odia for information.


CONTROLLER OF EXAMINATIONS

alc

19/12/24



UTKAL UNIVERSITY
VANI VIHAR, BHUBANESWAR-751004.

No. Exam. VII /E- 19517 /2024.

Dated: 21.12.24

From:

The Controller of Examinations,
Utkal University, Vani Vihar,
Bhubaneswar.

To

Dr. Suresh Chandra Rajahansa
Assistant Professor,
Govt. Auto College, Angul-759143.

Sub: -Recognition of Research Supervisor.
Ref: - Your Application dated -05.10.2024

Sir/Madam,

This is to inform you that you have been permitted to act as Research Supervisor in Odia Department of this University.

The Nos. of scholars under your supervision will be limited in conformity to UGC notification 2016 and subsequent amendment in this regards.

Yours faithfully

CONTROLLER OF EXAMINATIONS

Memo No.Exam. VII/E- 19518 /2024

Dated: 21.12.24

Copy to:-

1. The Chairman, DRC Odia, P.G Department of Odia for information.

CONTROLLER OF EXAMINATIONS

OK
8/12
19/12/24

