

Jit Chatterjee

Director – Lifelong Learning

In Charge – Research Section



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

M-9434740604

E-mail : jtdirector_III@buruniv.ac.in

Dated: 29.05.2024

No.R-Ph.D./Regn./ Physics/ E-3

SL. NO. 648

To:

Sri/Sm Anjan Ballav

Prof. Tanmoy Banerjee.

Dept. of Physics , B.U

UNDER UGC'S
REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in **Physics** with effect from **08.09.2021**

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on **23.11.2023** permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being , “ **STUDIES ON EMERGENT DYNAMICS OF COUPLED OSCILLATORS**” Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of **Rs. 8,000/- (Eight thousand only)** for enrolment of your name in the Register of candidates for Ph.D. degree, **positively within a month from the date of issue of this letter**, failing which your case will not be considered for Registration as a Ph.D. candidate and the **relevant copy of the cash receipt should be submitted to the Ph.D Unit.**

In this connection you are requested to note that —

- a) You have been permitted to do research work under **Prof. Tanmoy Banerjee, Dept. of Physics , B.U.** as your Supervisor / Co- Supervisors.
- b) You will be **required to get yourself registered as a student of this University** on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be **required to deliver one seminar talk before submission of the thesis** pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) i) You will have to **publish at least one research paper related to your research work** in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint /certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to **submit your thesis within six years from the date of your registration** for Ph.D. degree mentioned above, but **not earlier than 08.09.2024 (three years including course work)** in the prescribed manner along with the fee of **Rs. 8,000/- (Eight thousand only)** or as may be fixed by the Executive Council from time to time towards submission of thesis.

Sl. No.	Name of the Candidate	Grade	Department	Percentage
1	MA/M.Sc/M-Com. M-Tech (M.E.) (2018)	First Div.	PHYSICS	74.9%
2	Others Ph.D. Coursework (2022)	First Div.	PHYSICS	73.5%

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make a presentation on the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for the entire duration of Ph.D Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave** once during the entire duration of Ph.D Programme upto 240 days with the permission of the Chairman, Doctoral Committee.
- h) In your case, *four/five copies* of the thesis along with a *C.D. in PDF format* (containing the Synopsis and the Theoretical part) to be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be submitted on all the copies of the thesis.
- j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). **Application for re-registration may be sought within the stipulated period i.e. within six years.**
- k) The registration granted herein may be cancelled by the concerned authority/body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause (l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

A. K. Chatterjee

**In Charge
Research Section**

Copy forwarded for information to:

- 1) The Head of the Department of **Physics**, B.U.
- 2) Supervisor(s) of the candidate; **Prof. Tanmoy Banerjee, Dept. of Physics, B.U.**
- 3) The Senior Secretary, Faculty Council for P.G. Studies in **Science**, B.U.
- 4) The Finance Officer, B.U.

Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos: +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code - BURDSITY

Tele-Fax : +91-0342-2634015

e-mail : jregistrar@buruniv.ac.in

SL.NO. 649

No.R-Ph.D./Regn. / Sc / Phys. / 60

Dated: 24.11.2021

To:

Shri/Smt. Abhishek Let
c/o Prof. Buddhadeb Ghosh
Dept. of Physics, Ball.

Under UGC's New
Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics
with effect from 18-05-2019

Sir/Madam,

I am to inform you that the Faculty council for the Post-graduate studies in Arts etc./ Science at its meeting held on 08-10-2021 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being FEEDBACK MODULI STABILIZATION IN TYPE-II B/F THEORY AND SLOW-ROLL COSMOLOGICAL INFLATION

Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that --

a) You have been permitted to do research work under Prof. Buddhadeb Ghosh
Dept. of Physics, Ball.
as your Supervisor / Co-Supervisors

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 18-05-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

MA/M Com M.Tech/M.P.E	THE UNIVERSITY OF BURDWAN	B ⁺	PHYSICS	824-4	68-7
Others					

- f) i) You will be required to appear before Research Advisory Committee once in six months to make a presentation on the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted to the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies cancellation of the registration of the research scholar through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for the entire duration of Ph.D Programme upto 240 days with the permission of the Chairman, Doctoral Committee.
- h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis and the Thesis) will be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.
- k) The registration granted herein may be cancelled by the concerned authority/body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause (l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

Jt. Registrar

No. R/Ph.D./Regn. / 50/Phy./60/1(4)

Dated: 24.11.2021

Physics

Copy forwarded for information to:

- 1) The Head of the Department of B.U.
- 2 Supervisor(s) of the candidate: i) Prof. Buddhadab Ghosh
 Dept. of Physics, B.U.
 Science B.U.
- 3) The Secretary, Faculty Council for P.G. Studies in B.U.
- 4) The Finance Officer, B.U.

Jt. Registrar

off
 24.11.2021

Burdwan

Chatterjee
Director - Lifelong Learning
In Charge - Research Section



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

M-9434740604

E-mail : jtdirector_lll@buruniv.ac.in

No.R-Ph.D./Regn./Physics/E-170

SL.NO. 651

Dated: 14.06.2024

To:

Sri Avan Dey

C/O- Prof. Sourangshu Mukhopadhyay,

Dept. of Physics, B.U.

UNDER UGC'S
REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in **Physics** with effect from **01.06.2022**

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on **02.05.2024** permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being, **" STUDIES ON DEVELOPMENT OF SOME UNEXPLORED QUANTUM OPTICAL, DIGITAL SYSTEMS"** Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of **Rs. 8,000/- (Eight thousand only)** for enrolment of your name in the Register of candidates for Ph.D. degree, **positively within a month from the date of issue of this letter**, failing which your case will not be considered for Registration as a Ph.D. candidate and **the relevant copy of the cash receipt should be submitted to the Ph.D Unit.**

In this connection you are requested to note that ---

- a) You have been permitted to do research work under **Prof. Sourangshu Mukhopadhyay, Dept. of Physics, B.U.** as your Supervisor / Co- Supervisors.
- b) You will be **required to get yourself registered as a student of this University** on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be **required to deliver one seminar talk before submission of the thesis** pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) i) You will have to **publish at least one research paper related to your research work** in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint /certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to **submit your thesis within six years from the date of your registration** for Ph.D. degree mentioned above, but **not earlier than 01.06.2025 (three years including course work)** in the prescribed manner along with the fee of **Rs. 8,000/- (Eight thousand only)** or as may be fixed by the Executive Council from time to time towards submission of thesis.

	(BURDWAN)		(HONS.) CHEM, MATE	100	00395
M.A./M.Sc./M. Com. M.Tech./M.D. (2019)	THE UNIVERSITY OF BURDWAN	1st	Physics	906	75.5
Others					

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make a presentation of progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the research scholar to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.
- h) In your case, **four/five copies** of the thesis along with a **C.D. in PDF format** (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.
- k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

Ahatterjee

**In Charge
Research Section**

Copy forwarded for information to:

- 1) The Head of the Department of **Physics, B.U.**
- 2) Supervisor(s) of the candidate: **Prof. Sourangshu Mukhopadhyay, Dept. of Physics, B.U.**
- 3) The Senior Secretary, Faculty Council for P.G. Studies in Science, B.U.
- 4) The Finance Officer, B.U.

Dr. J. Chatterjee

Director - Lifelong Learning

Charge - Research Section



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

M-9434740604

E-mail : jtdirector_III@buruniv.ac.in

No.R-Ph.D./Regn./ Physics/ E-10

Dated: 29.05.2024

SL.NO. 652

To:

Sri/Sm. Bhaskar Pandit

Dr. Satyaki Kar,

Dept. of Physics, AKPC Mahavidyalaya

UNDER UGC's
REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in **Physics** with effect from **08.09.2021**

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on **23.11.2023** permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being, **"QUANTUM TRANSPORT IN TOPOLOGICAL SEMIMETALS IN CONTACT WITH SUPERCONDUCTORS"** Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of **Rs. 8,000/- (Eight thousand only)** for enrolment of your name in the Register of candidates for Ph.D. degree, **positively within a month from the date of issue of this letter**, failing which your case will not be considered for Registration as a Ph.D. candidate and **the relevant copy of the cash receipt should be submitted to the Ph.D Unit.**

In this connection you are requested to note that ---

- a) You have been permitted to do research work under **Dr. Satyaki Kar, Dept. of Physics, AKPC Mahavidyalaya** as your Supervisor / Co- Supervisors.
- b) You will be **required to get yourself registered as a student of this University** on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be **required to deliver one seminar talk before submission of the thesis** pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) i) You will have to **publish at least one research paper related to your research work** in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint /certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to **submit your thesis within six years from the date of your registration** for Ph.D. degree mentioned above, but **not earlier than 08.09.2024 (three years including course work)** in the prescribed manner along with the fee of **Rs. 8,000/- (Eight thousand only)** or as may be fixed by the Executive Council from time to time towards submission of thesis.

MA/M.Sc/M.Com. 2017 M.Tech./M.D.	THE UNIVERSITY OF BURDWAN	B+	PHYSICS	7.18/10.0	7.18 (CLPA)
PH.D COURSE WORK Letters	THE UNIVERSITY OF BURDWAN	A	PHYSICS	8.00/10.00	8.00 (CLPA)

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make a progress report on the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the research scholar to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for the completion of the Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.
- h) In your case, *four/five copies* of the thesis along with a *C.D. in PDF format* (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.
- k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

Phatterjee

In Charge
Research Section

Copy forwarded for information to:

- 1) The Head of the Department of Physics, B.U.
- 2) Supervisor(s) of the candidate: **Dr. Satyaki Kar, Dept. of Physics, AKPC Mahavidyalaya**
- 3) The Senior Secretary, Faculty Council for P.G. Studies in Science, B.U.
- 4) The Finance Officer, B.U.

Chatterjee

Director - Lifelong Learning

In Charge - Research Section



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

M-9434740604

E-mail : jtdirector_III@buruniv.ac.in

Dated: 29.05.2024

No.R-Ph.D./Regn./Physics/ E-4

SL. NO 653

To:

Sri/Sm. Bulti Paul

Prof. Tanmoy Banerjee,

Dept. of Physics, B.U.

UNDER UGC's
REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics with effect from 08.09.2021

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on 23.11.2023 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being, "STUDIES ON SOME COLLECTIVE DYNAMICS OF COUPLED QUANTUM OSCILLATORS" Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that --

- a) You have been permitted to do research work under Prof. Tanmoy Banerjee, Dept. of Physics, B.U. as your Supervisor / Co- Supervisors.
- b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) i) You will have to publish at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 08.09.2024 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

(2018)	THE UNIVERSITY OF BURDWAN	Class	MATH(P) CHEM(P)	592	74.00%
M.A./M.Sc./M. Com. M.Tech./M.D. (2020)	THE UNIVERSITY OF BURDWAN	First Class	PHYSICS		88.10%
PHD COURSE WORK (2022)	THE UNIVERSITY OF BURDWAN	First Class	PHYSICS		85.00%

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make a presentation on progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.
- h) In your case, *four/five copies* of the thesis along with a *C.D. in PDF format* (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.
- k) The registration granted herein may be cancelled by the concerned authority/body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

Ahatterjee

**In Charge
Research Section**

Copy forwarded for information to:

- 1) The Head of the Department of Physics, B.U.
- 2) Supervisor(s) of the candidate: **Prof. Tanmoy Banerjee, Dept. of Physics, B.U.**
- 3) The Senior Secretary, Faculty Council for P.G. Studies in Science, B.U.
- 4) The Finance Officer, B.U.

Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos. +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code : BURDSITY

Tele-Fax : +91-0342-2634015

e-mail : jtregistrar@buruniv.ac.in

SL.NO. 664

Dated: 24.11.2021

No.R-Ph.D./Regn. / sc (Phys.) 64

To: Shri/Sm. Forhan K. Aman
Ch. Prof. S. K. Pradhan
Dept. of physics, B.U.

Under UGC's New Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics
with effect from 22-05-2019

Sir/Madam,

I am to inform you that the Faculty council for the Post-graduate studies in Arts etc./ Science at its meeting held on 8-10-2021 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being A FACILE AND LOW-COST PROCESS OF HYDROGEN GAS EVOLUTION FROM SEA/SALINE AND WASTEWATER AND ITS STORAGE USING MECHANICALLY SYNTHESIZED NANOCOMPOSITES AND ITS NANOCOMPOSITES Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that --- Prof. S.K. Pradhan Dept. of physics, B.U. as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 22-05-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

Com. ID.	University of Burdwan	II	Math. Econ Phys. (H) chem. Math (Hons)	018 439	61-80 54-87
	University of Kalyani	I	physics	741	61-75
03)	UGC-CSIR (LS)	N.A.	physical sci.	N.A.	N.A.

- f) i) You will be required to appear before Research Advisory Committee once in six months to make a presentation on the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted to the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerning the registration of the research scholar.
- g) The woman candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for the entire duration of Ph.D Programme upto 240 days with the permission of the Chairman, Doctoral Committee.
- h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis and the Thesis) will have to be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.
- k) The registration granted herein may be cancelled by the concerned authority/body of the University in the event of failure of the candidate to fulfil any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

J. Registrar

No. R/Ph.D./Regn/SC/Phys/64/1(4)

Dated: 24.11.2021

Copy forwarded for information to:

- 1) The Head of the Department of Physics B.U.
- 2 Supervisor(s) of the candidate: i) Prof. S.K. Pradhan Dept. of
Physics B.U.
- ii) Science B.U.
- 3) The Secretary, Faculty Council for P.G. Studies in Science B.U.
- 4) The Finance Officer, B.U.

J. Registrar

Handwritten initials and date at the bottom left corner.

Dr. Debidas Mondal

Joint Registrar

Physics

Form No. 114



The University of Burdwan

Rajbati, Burdwan-713104, W.B

Tel. Nos. +91-0342-2634975 (EPABX) Ext 213

Telegraphic Code : BURDSITY

Tele-Fax : +91-0342-2634015

e-mail : registrar@burdwanv.ac.in

Dated: 24.11.2021

Under UGC's New Regulation - 2016

SL. NO. 656

No.R-Ph.D./Regn. / sc/Phys. / 65

To: Shri/Sm. Kriya Pal
Ch. Prof. Pabitra Kumar Chakrabarti
Dept. of Physics, B.U.

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics with effect from 24-05-2019

Sir/Madam,

I am to inform you that the Faculty council for the Post-graduate studies in Arts etc./ Science at its meeting held on 08-10-2021 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being STUDIES OF EXPERIMENTAL AND THEORETICAL BEHAVIOR OF SOME BULK, NANOCRYSTALLINE AND NANOCOMPOSITE MAGNETIC SYSTEMS. Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that --

- a) You have been permitted to do research work under Prof. Pabitra Kumar Chakrabarti, Dept. of Physics, B.U. as your Supervisor / Co-Supervisors.
- b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 24-05-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

M.A./M.Sc./M. Com M.Tech./M.D. 2019	THE UNIVERSITY OF BURDWAN	1 st	PHYSICS	995	81.1
Others 2019	CSIR-UGC NET-DECEMBER 2019	QUALIFIED			

INSPIRE FELLOWSHIP - DATE OF JOINING: 28/06/2019

red to appear before Research Advisory Committee once in six months to make a presentation
 er work for evaluation and further guidance. This six-monthly report shall be submitted by the
 ommittee to the Board of Research Studies with a copy to the research scholar.
 ss of the research scholar is unsatisfactory, the Research Advisory Committee shall record the
 e and suggest corrective measures. If the research scholar fails to implement these corrective
 rch Advisory Committee may recommend to the Faculty Council for PG Studies concerning
 Research Studies with specific reasons for cancellation of the registration of the research scholar.
 date & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D
 maximum duration. The women candidates may avail Maternity Leave/Child care Leave once in
 of Ph.D Programme upto 240 days with the permission of the Chairman, Doctoral Committee.
 /five copies of the thesis along with a C.D. in PDF format (containing the Synopsis and the Thesi
 ne copy be retained by you as a reference copy.
 mission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to
 copies of the thesis.

granted under this letter will remain valid for six years from the date of registration. In the event
 sion of the thesis within the stipulated period, re-registration may be sought for and the same may
 observing all the formalities required in this behalf and on the receipt of the prescribed
 or re-registration may be sought within the stipulated period i.e. within six years.

rements should be fulfilled and maintained.
 ng for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate
 Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and
 not been submitted for the award of any other degree/diploma of the University or to any other

uired to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along
 e mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance
 e Librarian of the Central Library, Burdwan University at the time of submission of thesis.

n/sc/Phy./ 65/1(4) Dated: 24.11.2017
 for information to: Physics
 e Department of: BU
 of the candidate: 1) Prof. Palatin Kumar Chakrabarti
 Dept. of Physics, B.U.
 Science BU.

Faculty Council for P.G. Studies in
 officer, B.U.

Others 2019	CSIR-UGC NET - DECEMBER INSPIRE FELLOWSHIP - DAY
----------------	---

Debidas Mondal

Joint Registrar



SL.NO. 657

The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos. +91-0342-2634975
(EPABX) Ext 213

Telegraphic Code : BURDSITY

Tele-Fax : +91-0342-2634015

e-mail : jtreistrar@buruniv.ac.in

No.R-Ph.D./Regn. / Sc/ Physics/ 48

Dated: 24.06.2022

To:

Shri/Sr. Kazi Md. Jahidul Hassan

Under UGC's New
Regulation - 2016

c/o Sr. Rashid Das

Dept. of Physics, B. U.

Physics

Sub: Grant of Registration as a candidate for Ph.D. degree in
with effect from 14.12.2019

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on 09-06-2022 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being STUDY OF SILVER AND SILVER DOPED NANOMATERIALS SYNTHESIZED USING DIFFERENT PLANT EXTRACTS

Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that --

a) You have been permitted to do research work under Sr. Rashid Das Dept. of Physics B. U. as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 14.12.2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

f) i) You will be required to appear before Research Advisory Committee once in six months to present the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.

ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for P.G. Studies concerned through the Board of Research Studies with specific reasons for cancellation of registration of the research scholar.

g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail Maternity Leave & Care Leave once in the entire duration of Ph.D Programme upto 240 days with the permission of the Chairman, Doctoral Committee.

h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis & the Thesis) be submitted and one copy be retained by you as a reference copy.

i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) have to be pasted on all the copies of the thesis.

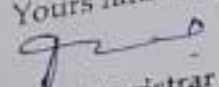
j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.

k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.

l) Residential requirements should be fulfilled and maintained. While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.

n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause (l) above and a certificate of delivering Seminar talk and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,


Joint Registrar

No. R/Ph.D./Regn./SC/Physics/4811(4)

Dated: 14.06.2021


Copy forwarded for information to:

1) The Head of the Department of

2) Supervisor(s) of the candidate: i) Dr. Rahul Das Dept. of Physics

ii) B.U.

3) The Secretary, Faculty Council for P.G. Studies in Science


Joint Registrar

05/06/2021

Dr. Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan-713104, W.B

Tel. Nos. +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code : BURDSITY

Tele-Fax : +91-0342-2634015

e-mail : jregistrar@buruniv.ac.in

SL, NO. 658

Dated: 24.06.2022

Under UGC's New Regulation - 2016

Physics

No.R-Ph.D./Regn. / sc/physics/42

To: Shri/Sa. Himangshu Basman
c/o Dr. Anisur Rahman
Surgepur Govt. College

Sub: Grant of Registration as a candidate for Ph.D. degree in
with effect from 16-12-2019

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on 09-06-2022 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being STUDIES ON PHYSICAL THEORIES BEYOND THE HEISENBERG UNCERTAINTY PRINCIPLE.

" Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that —

a) You have been permitted to do research work under Dr. Anisur Rahman Dept. of Physics, Surgepur Govt. College as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 16-12-2020 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

(2003)			Math	373	4662
M.A./M.Sc./M. Com.	Calcutta University	I	Physics	622	627
M.Tech./M.D.					
(2005)					
Others					

f) i) You will be required to appear before Research Advisory Committee once in six months to present the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.

ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for Board of Research Studies concerned through the Board of Research Studies with specific reasons for cancellation of registration of the research scholar.

g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail Maternity Leave/Care Leave once in the entire duration of Ph.D Programme upto 240 days with the permission of Chairman, Doctoral Committee.

h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.

i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) have to be pasted on all the copies of the thesis.

j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.

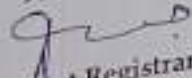
k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.

l) Residential requirements should be fulfilled and maintained.

m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.

n) You will be required to submit six typed copies of Synopsis/ Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

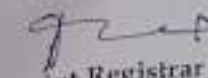

Joint Registrar

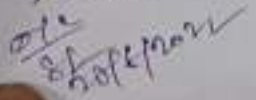
No. R/Ph.D./Regn./ SC/Physics/ 421(4)

Dated: 24.06.2022

Copy forwarded for information to:

- 1) The Head of the Department of Physics B.U.
- 2) Supervisor(s) of the candidate: 1) Dr. Anisur Rahman, Dept. of Physics
Durgapur Govt. College, Durgapur
- 3) The Secretary, Faculty Council for P.G. Studies in Science B.U.
- 4) The Finance Officer, B.U.


Joint Registrar



Chatterjee
Joint Director – Lifelong Learning
&
In Charge – Research Section



The University of Burdwan
Rajbati, Burdwan- 713104, W.B

M-9434740604
E-mail : jtdirector_111@buruniv.ac.in

Dated: 14.06.2024

No.R-Ph.D./Regn./Physics/E-171

To:

Sm. Karabi Majhi
C/O- Prof. P.K.Chakrabarti,
Dept. of Physics, B.U

SL. NO. 659

UNDER UGC's
REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in **Physics** with effect from **01.06.2022**

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on **02.05.2024** permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being, "**STUDIES ON MAGNETIC, MICROWAVE ABSORPTION AND DIELECTRIC PROPERTIES OF SOME NANOCOMPOSITES SYNTHESIZED BY CHEMICAL ROUTES**". Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of **Rs. 8,000/- (Eight thousand only)** for enrolment of your name in the Register of candidates for Ph.D. degree, **positively within a month from the date of issue of this letter**, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant **copy of the cash receipt should be submitted to the Ph.D Unit.**

In this connection you are requested to note that --

- a) You have been permitted to do research work under **Prof. P.K.Chakrabarti, Dept. of Physics, B.U** as your Supervisor / Co- Supervisors.
- b) You will be **required to get yourself registered as a student of this University** on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be **required to deliver one seminar talk before submission of the thesis** pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) i) You will have to **publish at least one research paper related to your research work** in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint /certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to **submit your thesis within six years from the date of your registration** for Ph.D. degree mentioned above, but **not earlier than 01.06.2025 (three years including course work)** in the prescribed manner along with the fee of **Rs. 8,000/- (Eight thousand only)** or as may be fixed by the Executive Council from time to time towards submission of thesis.

(2016)	BURDWAN	101	PHYSICS	716	62-2
Others					

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make a presentation on the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Scholar to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for the completion of the Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.
- h) In your case, **four/five copies** of the thesis along with a **C.D. in PDF format** (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). **Application for re-registration may be sought within the stipulated period i.e. within six years.**
- k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

A. K. Chatterjee

**In Charge
Research Section**

Copy forwarded for information to:

- 1) The Head of the Department of **Physics, B.U.**
- 2) Supervisor(s) of the candidate: **Prof. P.K.Chakrabarti, Dept. of Physics, B.U**
- 3) The Senior Secretary, Faculty Council for P.G. Studies in **Science, B.U.**
- 4) The Finance Officer, B.U.

Dr. Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos. +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code - BURDSEITY

Tele-Fax +91-0342-2634015

e-mail : jregistrar@buruniv.ac.in

SL.NO. 660

Dated: 24.06.2022

Under UGC's New Regulation - 2016

No.R-Ph.D./Regn. / sc/physics/ 46

To: Shri/Smt. Manas Kumar Mondal
c/o Prof. P.K. Chakrabarti
Dept. of Physics B.U.

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics
with effect from 14-12-2019

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on 09-06-2022 permitted you to get yourself registered as a candidate for Ph.D. degree,

mentioned above, the title of your thesis being EXPLORING THERMO-PHYSICAL AND ELECTROMAGNETIC SHIELDING PROPERTIES OF SOME MAGNETIC NANOCOMPOSITE INCORPORATED GRAPHENE OXIDE POLYMERS AND CARBON NANOTUBES.

Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that —

a) You have been permitted to do research work under Prof. P.K. Chakrabarti
Dept. of Physics, B.U. as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 14-12-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

M. Tech./M.D. 2417	CLASS	MSC-IN PHYSICS	953	59-56
Others				

f) i) You will be required to appear before Research Advisory Committee once in six months for presentation of the progress of his/her work for evaluation and further guidance. This six-monthly shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy research scholar.

ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council of Studies concerned through the Board of Research Studies with specific reasons for cancellation of registration of the research scholar.

g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail Maternity Leave & care Leave once in the entire duration of Ph.D Programme upto 240 days with the permission of Chairman, Doctoral Committee.

h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis of the Thesis) be submitted and one copy be retained by you as a reference copy.

i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) have to be pasted on all the copies of the thesis.

j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.

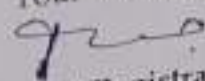
k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.

l) Residential requirements should be fulfilled and maintained.

m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.

n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,


Joint Registrar

No. R/Ph.D./Regn./sc/Physics/46/1(4)

Dated: 24.06.2022

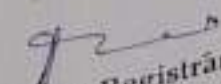
Copy forwarded for information to:

1) The Head of the Department of Physics B.U.

2) Supervisor(s) of the candidate: i) Prof. P.K. Chakrabarti, Dept.
or of Physics, B.U.

3) The Secretary, Faculty Council for P.G. Studies in Science B.U.

4) The Finance Officer, B.U.


Joint Registrar

o/c
1/6/2022

Abhijit Chatterjee

Director - Lifelong Learning

Charge - Research Section



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

M-9434740604

E-mail : jtdirector_III@buruniv.ac.in

No.R-Ph.D./Regn./ Physics/ E-9

Dated: 29.05.2024

SL. NO. 661

To:

Sri/Sm.Nirajan Biswas

Dr. Abhijit Chakraborty,

Dept.of Physics , B.U.

UNDER UGC'S
REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in **Physics** with effect from **09.09.2021**

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on **23.11.2023** permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being , " **INVESTIGATION OF PROTON TRANSFER PROCESSES IN ISOLATED AND CLUSTER ENVIRONMENTS OF CONJUGATED SYSTEMS**" Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of **Rs. 8,000/- (Eight thousand only)** for enrolment of your name in the Register of candidates for Ph.D. degree, **positively within a month from the date of issue of this letter**, failing which your case will not be considered for Registration as a Ph.D. candidate and **the relevant copy of the cash receipt should be submitted to the Ph.D Unit.**

In this connection you are requested to note that --

- a) You have been permitted to do research work under **Dr. Abhijit Chakraborty ,Dept. of physics ,B.U.** as your Supervisor / Co- Supervisors.
- b) You will be **required to get yourself registered as a student of this University** on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be **required to deliver one seminar talk before submission of the thesis** pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) i) You will have to **publish at least one research paper related to your research work** in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint /certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to **submit your thesis within six years from the date of your registration** for Ph.D. degree mentioned above, but **not earlier than 09.09.2024 (three years including course work)** in the prescribed manner along with the fee of **Rs. 8,000/- (Eight thousand only)** or as may be fixed by the Executive Council from time to time towards submission of thesis.

2019 M.A./M.Sc./M. Com. M.Tech./M.D.	IIT Kanpur, U.P.	1st	Physics	65/-
Others				

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make a presentation progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.
- h) In your case, *four/five copies* of the thesis along with a *C.D. in PDF format* (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.
- k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

Chatterjee

**In Charge
Research Section**

Copy forwarded for information to:

- 1) The Head of the Department of Physics, B.U.
- 2) Supervisor(s) of the candidate: **Dr. Abhijit Chakraborty, Dept. of physics, B.U.**
- 3) The Senior Secretary, Faculty Council for P.G. Studies in Science, B.U.
- 4) The Finance Officer, B.U.



No.R-Ph.D./Regn./Physics/ E-6

SL, NO, 663

Dated: 29.05.2024

To:

Sri/Sm.Mir Nadim Sarfaraj
Prof. Sourangshu Mukhopadhyay,
Dept.of Physics, B.U.

UNDER UGC's
REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in **Physics** with effect from **08.09.2021**

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on **23.11.2023** permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being, **" SOME ALTERNATIVE APPROACHES OF DEVELOPING QUANTUM OPTICAL DIGITAL SYSTEMS"** Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of **Rs. 8,000/- (Eight thousand only)** for enrolment of your name in the Register of candidates for Ph.D. degree, **positively within a month from the date of issue of this letter**, failing which your case will not be considered for Registration as a Ph.D. candidate and **the relevant copy of the cash receipt should be submitted to the Ph.D Unit.**

In this connection you are requested to note that ---

- a) You have been permitted to do research work under **Prof. Sourangshu Mukhopadhyay, Dept. of Physics, B.U.** as your Supervisor / Co- Supervisors.
- b) You will be **required to get yourself registered as a student of this University** on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be **required to deliver one seminar talk before submission of the thesis** pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) i) You will have to **publish at least one research paper related to your research work** in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint /certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to **submit your thesis within six years from the date of your registration** for Ph.D. degree mentioned above, but **not earlier than 08.09.2024 (three years including course work)** in the prescribed manner along with the fee of **Rs. 8,000/- (Eight thousand only)** or as may be fixed by the Executive Council from time to time towards submission of thesis.

20		BURDWAN	1st	CHEM (Gen) MATH (Gen)	484	60.50
2018	M.A./M.Sc./M. Com. M.Tech./M.D.	THE UNIVERSITY OF BURDWAN	1st	PHYSICS	820-80	68.40
	Others					

Joined for JRF on 14/12/2020

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make a presentation on the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.
- h) In your case, **four/five copies** of the thesis along with a **C.D. in PDF format** (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.
- k) The registration granted herein may be cancelled by the concerned authority/body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause (l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

Ahatterjee

**In Charge
Research Section**

Copy forwarded for information to:

- 1) The Head of the Department of **Physics, B.U.**
- 2) Supervisor(s) of the candidate: **Prof. Sourangshu Mukhopadhyay, Dept. of Physics, B.U.**
- 3) The Senior Secretary, Faculty Council for P.G. Studies in Science, B.U.
- 4) The Finance Officer, B.U.

jit Chatterjee

Director – Lifelong Learning



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

M-9434740604

E-mail : jtdirector_III@buruniv.ac.in

In Charge – Research Section

No.R-Ph.D./Regn./Physics/ E-8

Dated: 29.05.2024

SL. NO. 665

To:

Sri/Sm.Prosenjit Ghosh

Prof. Atis Chandra Mandal,

Dept.of Physics, B.U.

UNDER UGC's
REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in **Physics** with effect from **07.09.2021**

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on **23.11.2023** permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being , “ **INVESTIGATION OF STRUCTURE-PROPERTY CORRELATION OF PURE AND DOPED OXIDE NANOCRYSTALLITES SYNTHESIZED BY SOL-GEL TECHNIQUE**” Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of **Rs. 8,000/- (Eight thousand only)** for enrolment of your name in the Register of candidates for Ph.D. degree, **positively within a month from the date of issue of this letter**, failing which your case will not be considered for Registration as a Ph.D. candidate and **the relevant copy of the cash receipt should be submitted to the Ph.D Unit.**

In this connection you are requested to note that ---

- You have been permitted to do research work under **Prof. Atis Chandra Mandal, Dept. of Physics, B.U.** as your Supervisor / Co- Supervisors.
- You will be **required to get yourself registered as a student of this University** on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- You will be **required to deliver one seminar talk before submission of the thesis** pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- i) You will have to **publish at least one research paper related to your research work** in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint /certificate of presentation as applicable at the time of submission of your thesis.
- You will have to **submit your thesis within six years from the date of your registration** for Ph.D. degree mentioned above, but **not earlier than 07.09.2024 (three years including course work)** in the prescribed manner along with the fee of **Rs. 8,000/- (Eight thousand only)** or as may be fixed by the Executive Council from time to time towards submission of thesis.

M.A./M.Sc./M. Com. M.Tech./M.D. 2013	THE UNIVERSITY OF BURDWAN	I st	PHYSICS	771	64.25
Others 2020 NET/SET/GATE					

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall recommend the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave** during the **entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.
- h) In your case, **four/five copies** of the thesis along with a **C.D. in PDF format** (containing the Synopsis and Abstract) shall be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be attached on all the copies of the thesis.
- j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be sought after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). **Application for re-registration may be sought within the stipulated period i.e. within six years.**
- k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause (l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

Chatterjee

**In Charge
Research Section**

- Copy forwarded for information to:
- 1) The Head of the Department of Physics, B.U.
 - 2) Supervisor(s) of the candidate: **Prof. Atis Chandra Mandal, Dept. of Physics, B.U.**
 - 3) The Senior Secretary, Faculty Council for P.G. Studies in Science, B.U.
 - 4) The Finance Officer, B.U.

Dr. Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos. +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code : BURDSITY

Tele-Fax : +91-0342-2634015

e-mail : jregistrar@buruniv.ac.in

SL. NO. 666

No.R-Ph.D./Regn./SC | physics | 44

Dated: 24.06.2022

To: Mr./Sm. Rinku Bag
class. Kanchik Ghosh
UIT B.U.

Under UGC's New
Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics
with effect from 16-12-2019

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on 09-06-2022 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being THEORETICAL MODELS ON THE EVOLUTION OF BRANAL DHARE AND MONARF OBJECTS

....." Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that --

a) You have been permitted to do research work under Dr. Kanchik Ghosh
UIT B.U. as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 16-12-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

M.A./M.Sc./M. Com.	The University of Burdwan	1st	Physics	858	71.5%
2011 M.Tech./M.D.					
Others					

f) i) You will be required to appear before Research Advisory Committee once in six months to make presentation of the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.

ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for P.G. Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.

g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days with the permission of the Chairman, Doctoral Committee.

h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.

i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.

j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.

k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.

l) Residential requirements should be fulfilled and maintained.

m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.

n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,


Joint Registrar

No. R/Ph.D./Regn./sc/physics/44/1(4)

Dated: 24.06.2022

Copy forwarded for information to:

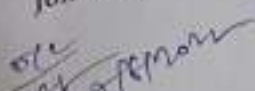
1) The Head of the Department of Physics B.U.

2) Supervisor(s) of the candidate: i) Dr. Kaushik Ghosh
ii) U.T. B.U.

3) The Secretary, Faculty Council for P.G. Studies in Science B.U.

4) The Finance Officer, B.U.


Joint Registrar



Dr. Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos. +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code: BURDSITY

Tele-Fax : +91-0342-2634015

e-mail : jregistrar@buruniv.ac.in

SL.NO, 668

No.R-Ph.D./Regn. / sc/ physics/ 49

Dated: 24.05.2022

To:

Shri/Smt. Dr. Rakul Mondal
c/o Dr. Rakul Das
Dept of Physics B.U.

Under UGC's New
Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics
with effect from 13-12-2019

Sir/Madam,

I am to inform you that the Faculty Council for P.G Studies in Arts/ Science at its meeting held on 09-05-2022 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being THEORETICAL AND EXPERIMENTAL STUDIES OF SOME ECO-FRIENDLY MATERIALS

Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that --

- a) You have been permitted to do research work under Dr. Rakul Das
Dept of Physics B.U. as your Supervisor / Co-Supervisors.
- b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 13-12-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

M.A./M.Sc./M. Com.	University of Kalyani	1st	Physics	1055	65.94%
M.Tech./M.D.					
Others					

f) i) You will be required to appear before Research Advisory Committee once in six months presentation of the progress of his/her work for evaluation and further guidance. This six-month report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a research scholar.

ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee record the reasons for the same and suggest corrective measures. If the research scholar fails to take these corrective measures, the Research Advisory Committee may recommend to the Faculty Council of Studies concerned through the Board of Research Studies with specific reasons for cancellation of registration of the research scholar.

g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail Maternity Leave care Leave once in the entire duration of Ph.D Programme upto 240 days with the permission of Chairman, Doctoral Committee.

h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.

i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) have to be pasted on all the copies of the thesis.

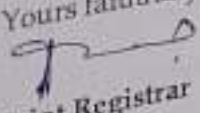
j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.

k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.

l) Residential requirements should be fulfilled and maintained.

m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.

n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

Joint Registrar

No. R/Ph.D./Regn./ SC/Physics/49/1(4)

Dated: 24.06.2022

- Copy forwarded for information to:
- 1) The Head of the Department of Physics B.U.
 - 2) Supervisor(s) of the candidate: i) S. Rachel Das
in Dept. of Physics B.U.
Science B.U.
 - 3) The Secretary, Faculty Council for P.G. Studies in B.U.
 - 4) The Finance Officer, B.U.


Joint Registrar

17/1/22

Registra
Universi
Burdwan 71

do b
Sci
sol
etc

Dr. Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos. +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code : BURDSITY

Tele-Fax : +91-0342-2634015

e-mail : jregistrar@buruniv.ac.in

SL. NO- 671

No.R-Ph.D./Regn. / Sc/Phy/ 302

Dated: 11.05.2022

To:

Shri/Sm.....Sujan Malik....

...C/o Dr. Abhigyan Dutta....

...Dept. of Physics, B.U.....

UGC's New Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree inPhysics.....
with effect from ...13.12.2019....

Sir/Madam,

I am to inform you that the Vice-Chancellor vide order dated ...10.05.2022..... permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being INVESTIGATIONS OF SYNTHESIS, CHARACTERIZATION AND ELECTROCHEMICAL PERFORMANCE OF SOME TITANATE BASED DOUBLE PEROVSKITE MATERIALS FOR APPLICATION AS SOFC ELECTRODE..... Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that ---

a) You have been permitted to do research work underDr. Abhigyan Dutta, Dept of Physics, B.U..... as your Supervisor / Joint Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than.....13.12.2022. (three years including course work) in the prescribed

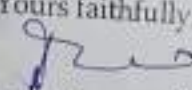
Handwritten stamp/signature area

M.Tech./M.D. (2019) BURDWAN
Others (June 2019) CSIR-NET (JRF)

manner along with the fee of **Rs. 8,000/- (Eight thousand only)** or as may be fixed by the Executive Co. from time to time towards submission of thesis.

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make presentation of the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.
- h) In your case, **four/five copies** of the thesis along with a **C.D. in PDF format** (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.
- k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,


Joint Registrar

No. R/Ph.D./Regn./Sc/Phy/ 3021(4)

Dated: 11.05.2022

Copy forwarded for information to:

- 1) The Head of the Department of Physics..... B.U.
- 2) Supervisor(s) of the candidate: i) Dr. Abhigyan Dutta, Dept of Physics, B.U.....
ii)
- 3) The Secretary, Faculty Council for P.G. Studies in Science..... B.U.
- 4) The Finance Officer, B.U.


Dr. D. Mondal
Joint Registrar
The University of Burdwan
Saidabad, Burdwan-713104, W.B.





No.R-Ph.D./Regn./ Physics/ E-5

SL.NO. 673

Dated: 29.05.2024

To:

Sri/Sm. Snigdha Hazra

Prof. Sourangshu Mukhopadhyay,

Dept. of Physics, B.U.

**UNDER UGC's
REGULATION 2016**

Sub: Grant of Registration as a candidate for Ph.D. degree in **Physics** with effect from **07.09.2021**

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on **23.11.2023** permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being, **"IMPLEMENTATION OF NANO-PHOTONIC QUANTUM LOGIC DEVICES USING PHOTONIC BAND GAP CRYSTALS"** Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of **Rs. 8,000/- (Eight thousand only)** for enrolment of your name in the Register of candidates for Ph.D. degree, **positively within a month from the date of issue of this letter**, failing which your case will not be considered for Registration as a Ph.D. candidate and **the relevant copy of the cash receipt should be submitted to the Ph.D Unit.**

In this connection you are requested to note that ---

- a) You have been permitted to do research work under **Prof. Sourangshu Mukhopadhyay, Dept. of Physics, B.U.** as your Supervisor / Co- Supervisors.
- b) You will be **required to get yourself registered as a student of this University** on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be **required to deliver one seminar talk before submission of the thesis** pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) i) You will have to **publish at least one research paper related to your research work** in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint /certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to **submit your thesis within six years from the date of your registration** for Ph.D. degree mentioned above, but **not earlier than 07.09.2024 (three years including course work)** in the prescribed manner along with the fee of **Rs. 8,000/- (Eight thousand only)** or as may be fixed by the Executive Council from time to time towards submission of thesis.

U.C.M.B.S.	2018	I	Hons.	611	76.37
M.A./M.Sc./M. Com.	The University of Burdwan 2020	I	Physics		84.6
M.Tech./M.D.	The University of Burdwan 2022	I	Physics		83.5

- f) i) You will be required to appear before **Research Advisory Committee** once in six months to make a progress report on the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the research scholar to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D. Programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave** once in the entire duration of Ph.D Programme upto 240 days with the permission of the Chairman, Doctoral Committee.
- h) In your case, *four/five copies* of the thesis along with a *C.D. in PDF format* (containing the Synopsis and the Thesis) to be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). **Application for re-registration may be sought within the stipulated period i.e. within six years.**
- k) The registration granted herein may be cancelled by the concerned authority/body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause (l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

Ahatterjee

In Charge
Research Section

Copy forwarded for information to:

- 1) The Head of the Department of Physics, B.U.
- 2) Supervisor(s) of the candidate: **Prof. Sourangshu Mukhopadhyay, Dept. of Physics, B.U.**
- 3) The Senior Secretary, Faculty Council for P.G. Studies in Science, B.U.
- 4) The Finance Officer, B.U.

Chatterjee
Director - Lifelong Learning
&
In Charge - Research Section



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

M-9434740604

E-mail : jtdirector_III@buruniv.ac.in

No.R-Ph.D./Regn./Physics/ E-7

Dated: 29.05.2024

SL. NO. 674

To:

Sri/Sm. Subhra Mondal

Dr. Amitava Choudhuri

Dept. of Physics, B.U.

UNDER UGC's
REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in **Physics** with effect from **07.09.2021**

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on **23.11.2023** permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being, "**STUDY OF DENSITY PERTURBATION OF DARK MATTER IN TSALLIS COSMOLOGY**" Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of **Rs. 8,000/- (Eight thousand only)** for enrolment of your name in the Register of candidates for Ph.D. degree, **positively within a month from the date of issue of this letter**, failing which your case will not be considered for Registration as a Ph.D. candidate and **the relevant copy of the cash receipt should be submitted to the Ph.D Unit.**

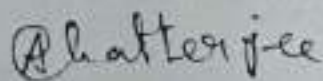
In this connection you are requested to note that ---

- a) You have been permitted to do research work under **Dr. Amitava Choudhuri, Dept. of Physics, B.U.** as your Supervisor / Co- Supervisors.
- b) You will be **required to get yourself registered as a student of this University** on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.
- c) You will be **required to deliver one seminar talk before submission of the thesis** pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.
- d) i) You will have to **publish at least one research paper related to your research work** in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint /certificate of presentation as applicable at the time of submission of your thesis.
- e) You will have to **submit your thesis within six years from the date of your registration** for Ph.D. degree mentioned above, but **not earlier than 07.09.2024 (three years including course work)** in the prescribed manner along with the fee of **Rs. 8,000/- (Eight thousand only)** or as may be fixed by the Executive Council from time to time towards submission of thesis.

B.E./M.B.B.S 2017	B.B College, Asansol.	1st	(Hons.)	300	63.25%
M.A./M.Sc./M. Com. M.Tech./M.D. 2019	University of Hyderabad, Hyderabad; Telangana.	1st	Physics		80.00%
Others	GATE (2021), JEST (2021) GATE (2022)		Physics		

- 1) You will be required to appear before **Research Advisory Committee** once in six months to make a presentation on the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the research scholar to the Board of Research Studies with a copy to the research scholar.
- 2) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies the same and suggest corrective measures.
- 3) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D programme in the maximum duration. The women candidates may avail **Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days** with the permission of the Chairman, Doctoral Committee.
- 4) In your case, **four/five copies** of the thesis along with a **C.D. in PDF format** (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.
- 5) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- 6) **The registration granted under this letter will remain valid for six years from the date of registration.** In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for **re-registration may be sought within the stipulated period i.e. within six years.**
- 7) The registration granted herein may be cancelled by the concerned authority/body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- 8) Residential requirements should be fulfilled and maintained.
- 9) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the **Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.**
- 10) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(1) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,



**In Charge
Research Section**

Copy forwarded for information to:

- 1) The Head of the Department of **Physics, B.U.**
- 2) Supervisor(s) of the candidate: **Dr. Amitava Choudhuri, Dept. of Physics, B.U.**
- 3) The Senior Secretary, Faculty Council for P.G. Studies in **Science, B.U.**
- 4) The Finance Officer, B.U.

Dr. Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos. +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code : BURDSITY

Tele-Fax : +91-0342-2634015

e-mail : jregistrar@buruniv.ac.in

SL. NO 675

No.R-Ph.D./Regn. / Sc/Physics/45

Dated: 24.05.2022

To:

Shri/Sri. Sujay Das
Co. Prof. P.K. Chakrabarti
Dept. of Physics B.U.

Under UGC's New Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics with effect from 20-05-2019

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on 09-05-2022 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being, STUDIES ON MAGNETO-ELECTRIC BEHAVIOUR AND MICROWAVE ABSORPTION OF SOME MULTIFERROIC NANOCRYSTALLINE SYSTEMS SYNTHESIZED BY DIFFERENT CHEMICAL ROUTES. Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that —

a) You have been permitted to do research work under P. P. Chakrabarti, Dept. of Physics B.U. as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 20-05-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

U18 M.Tech./M.D.		CLASS	PHYSICS	783.6	65.30%
Ph.D COURSE Others WORK 2019	THE UNIVERSITY OF BURDWAN	FIRST CLASS	PHYSICS (CWAPA)	7.33	68.30%

f) i) You will be required to appear before Research Advisory Committee once in six months to the presentation of the progress of his/her work for evaluation and further guidance. This six-monthly shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to research scholar. Sl. No. 41

ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for Studies concerned through the Board of Research Studies with specific reasons for cancellation of registration of the research scholar.

g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days with the permission of the Chairman, Doctoral Committee.

h) In your case, **four/five copies** of the thesis along with a **C.D. in PDF format** (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy. Registrar University 713 10

i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.

j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years. I.C.S

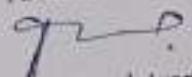
k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage. he

l) Residential requirements should be fulfilled and maintained.

m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.

n) You will be required to submit six typed copies of Synopsis/ Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,


Joint Registrar

No. R/Ph.D./Regn./ sc/Physics/LS(1)(4)

Dated: 24.05.2022

Copy forwarded for information to: Physics B.U.

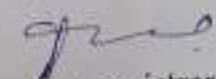
1) The Head of the Department of

2) Supervisor(s) of the candidate: i) Prof. P.K. Chakrabarti
Dept. of Physics, B.U.

ii) Science B.U.

3) The Secretary, Faculty Council for P.G. Studies in

4) The Finance Officer, B.U.


Joint Registrar

afc
25/5/2022

Dr. Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos. +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code : BURDSITY

Tele-Fax ; +91-0342-2634015

e-mail : jtregistrar@buruniv.ac.in

SL.NO. 676

No.R-Ph.D./Regn. / Sc/Phy/ 301

Dated: 11.05.2022

To:

Shri/Sm.....Tapas Mondal....

...C/o Prof. Subhasis Das....

...Dept. of Physics, B.U.....

Under UGC's New
Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree inPhysics.....
with effect from ...13.12.2019....

Sir/Madam,

I am to inform you that the Vice-Chancellor vide order dated ...10.05.2022..... permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being ,
...INVESTIGATION OF THIRD ORDER NONLINEAR OPTICAL PROPERTIES OF SOME SEMI ORGANIC
AND ORGANIC MATERIALS.....

Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that ---

a) You have been permitted to do research work under Prof. Subhasis Das, Dept of Physics, B.U.....

.....as your Supervisor / Joint Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than.....13.12.2022.. (three years including course work) in the prescribed

manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

f) i) You will be required to appear before Research Advisory Committee once in six months to make presentation of the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.

ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concerned through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.

g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail Maternity Leave/Child care Leave once in the entire duration of Ph.D Programme upto 240 days with the permission of the Chairman, Doctoral Committee.

h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.

i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.

j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.

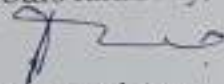
k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.

l) Residential requirements should be fulfilled and maintained.

m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.

n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,


Joint Registrar

No. R/Ph.D./Regn./Sc/Phy/ 301/1(4)

Dated: 17.05.2022

Copy forwarded for information to:

1) The Head of the Department of Physics..... B.U.

2) Supervisor(s) of the candidate: i) , Prof. Subhasis Das Dep of Physics, B.U.....

ii)

3) The Secretary, Faculty Council for P.G. Studies in Science..... B.U.

4) The Finance Officer, B.U.


D. D. Mondal
Joint Registrar
The University of Burdwan
Burdwan-713104, W.B.

Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos. +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code: BURDSITY

Tele-Fax: +91-0342-2634015

e-mail: jregistrar@buruniv.ac.in

SL. NO. 677

Dated: 24.06.2022

No.R-Ph.D./Regn. / SC/Physios/ 47

To:

Shri/Sa. A. Tanmay Mondal
c/o Dr. Sebhendu Biswas
UIT, Balla

Under UGC's New
Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics
with effect from 16.12.2019

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on 09-06-2022 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being STUDIES ON FREQUENCY ENCODED OPTICAL LOGIC BASED DATA PROCESSORS WITH SIMULATION

Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that --

a) You have been permitted to do research work under Dr. Sebhendu Biswas
UIT, Balla as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 16-12-2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

M.A./M.Sc./M. Com. M.Tech./M.D. 2018	THE UNIVERSITY OF BURDWAN	2nd class	MSc IN PHYSICS	682	56.893
Others					

f) i) You will be required to appear before Research Advisory Committee once in six months to a presentation of the progress of his/her work for evaluation and further guidance. This six-monthly shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy research scholar.

ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council Board of Research Studies concerned through the Board of Research Studies with specific reasons for cancellation of registration of the research scholar.

g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail Maternity Leave/Care Leave once in the entire duration of Ph.D Programme upto 240 days with the permission of Chairman, Doctoral Committee.

h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.

i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.

j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.

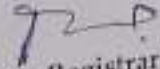
k) The registration granted herein may be cancelled by the concerned authority/ body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.

l) Residential requirements should be fulfilled and maintained.

m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.

n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause(l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

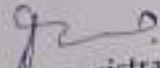

Joint Registrar

No. R/Ph.D./Regn./ SC/Physics/47/1(4)

Dated: 24.02.2022

Copy forwarded for information to:

- 1) The Head of the Department of Physics B.U.
- 2) Supervisor(s) of the candidate: i) Dr. Subhendu Biswas
..... -UIT B.U.
- 3) The Secretary, Faculty Council for P.G. Studies in Science B.U.
- 4) The Finance Officer, B.U.


Joint Registrar

Dr. Debidas Mondal

Joint Registrar



The University of Burdwan

Rajbati, Burdwan- 713104, W.B

Tel. Nos. +91-0342-2634975

(EPABX) Ext 213

Telegraphic Code: BURDSITY

Tele-Fax : +91-0342-2634015

e-mail : jregistrar@buruniv.ac.in

SL. NO- 678

No.R-Ph.D./Regn. / 2/Phy./62

Dated: 24.11.2021

To:

Shri/Smt. Tanmay Nandi
Co. & Anitara Choudhury
Dept. of Physics, B.U.

Under UGC's New
Regulation - 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Physics
with effect from 28.07.2019

Sir/Madam,

I am to inform you that the Faculty council for the Post-graduate studies in Arts etc./ Science at its meeting held on 08-10-2021 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being SYMMETRY - BASED STUDIES OF BULK VISCOSUS COSMOLOGY

....." Subject to fulfillment of the requirements set forth in the University Ordinances relating to Doctoral Degrees and such terms and conditions as may be laid down by the appropriate authorities of the University from time to time.

You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) for enrolment of your name in the Register of candidates for Ph.D. degree, positively within a month from the date of issue of this letter, failing which your case will not be considered for Registration as a Ph.D. candidate and the relevant copy of the cash receipt should be submitted to the Ph.D Unit.

In this connection you are requested to note that --

a) You have been permitted to do research work under S. Anitara Choudhury
Dept. of Physics, B.U. as your Supervisor / Co-Supervisors.

b) You will be required to get yourself registered as a student of this University on migration after completing all the necessary formalities prescribed in this behalf, unless you are already a registered student of this University.

c) You will be required to deliver one seminar talk before submission of the thesis pertaining to the project of your research you have undertaken within the period of your research work and before submission of the thesis.

d) i) You will have to published at least one research paper related to your research work in a referred journal / peer reviewed journal and ii) Make two presentation in Conference/Seminar before submission of the thesis and produce evidence for the same in the form of acceptance letter / reprint / certificate of presentation as applicable at the time of submission of your thesis.

e) You will have to submit your thesis within six years from the date of your registration for Ph.D. degree mentioned above, but not earlier than 26.07.2022 (three years including course work) in the prescribed manner along with the fee of Rs. 8,000/- (Eight thousand only) or as may be fixed by the Executive Council from time to time towards submission of thesis.

M.A./M.Sc./M. Com. M.Tech./M.D. 2015	THE UNIVERSITY OF BURDWAN	1 ST	PHYSICS	783	65-25
Others (Course work)	THE UNIVERSITY OF BURDWAN	1 ST	PHYSICS		71-6

- f) i) You will be required to appear before Research Advisory Committee once in six months to make a presentation the progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by Research Advisory Committee to the Board of Research Studies with a copy to the research scholar.
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Faculty Council for PG Studies concern through the Board of Research Studies with specific reasons for cancellation of the registration of the research scholar.
- g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D Programme in the maximum duration. The women candidates may avail Maternity Leave/Child care Leave once the entire duration of Ph.D Programme upto 240 days with the permission of the Chairman, Doctoral Committee.
- h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis and the Thesis) be submitted and one copy be retained by you as a reference copy.
- i) At the time of submission of thesis, a certificate in the prescribed form furnished by your Supervisor(s) will have to be pasted on all the copies of the thesis.
- j) The registration granted under this letter will remain valid for six years from the date of registration. In the event of failure of submission of the thesis within the stipulated period, re-registration may be sought for and the same may be granted after observing all the formalities required in this behalf and on the receipt of the prescribed fee(s). Application for re-registration may be sought within the stipulated period i.e. within six years.
- k) The registration granted herein may be cancelled by the concerned authority/body of the University in the event of failure of the candidate to fulfill any of the prescribed requirements at any stage.
- l) Residential requirements should be fulfilled and maintained.
- m) While submitting for evaluation, the thesis shall contain an undertaking from the research scholar and a certificate from the research Supervisor(s) attesting to the Originality of the work, vouching that there is no Plagiarism and that the work has not been submitted for the award of any other degree/diploma of the University or to any other institution.
- n) You will be required to submit six typed copies of Synopsis/Abstract of the thesis (not exceeding ten pages) along with the certificate mentioned in Clause (l) above and a certificate of delivering Seminar talk(s) and the Clearance Certificate from the Librarian of the Central Library, Burdwan University at the time of submission of thesis.

Yours faithfully,

Jt. Registrar

No. R/Ph.D./Regn./Sc(Phy.) 62/1(4)

Dated: 24.11.2021

Physics

B.U.

Copy forwarded for information to:

1) The Head of the Department of

2) Supervisor(s) of the candidate: 1) & Anitara Choudhury, Dept. of

Physics

B. U.

Science

B.U.

3) The Secretary, Faculty Council for P.G. Studies in

4) The Finance Officer, B.U.

Jt. Registrar

01/11/21