

SL. NO. 569 gulation - 2016

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

******	*****		*****
No.R-Ph.D./Regn./SC/Malhematic.	s/ 336	Dated:	14, 13.2013
To: Shri/Sm. Abix Baidya	Design Specimen		
Shri/Sm Abir Baedya Clo. P. J. C. Layek Dest. of Malhematics.	3. L.	and the second	
Sub Crant of Registration as a	candidate for Ph.D. degree ir effect from!4 09 20	Malhem 21	atics

Sir/Madam,

I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science at its meeting held on 10 - 02 - 2023 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being , BIFURCATIONS AND CHAOS IN CONVECTION OF FLUID LAYERS IN NON-POROUS AND POROUS MEDIA WIT ALM STOR DAY SALE 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 Post. Sec. Lagek Deft. of Malhem stees. Bell	
as your Supervisor / Co- Supervisors.	17559731

- 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 14-09-2024 (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.

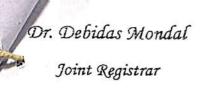
presentation of the progress of his/her work for evaluation and further guidance. This six-monthly reports shall be submitted by the Research Advisory Committee to the Roard of Research Studies with a convenience of the Roard of Roard of Research Studies with a convenience of the Roard of R shall be 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 reco record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures. 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 g) The women candidate & persons with disability (More than 40%) may be allowed a relaxation of two years for Ph.D.B. 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 h) In your case, four/five copies of the thesis along with a C.D. in PDF format (containing the Synopsis and Chairman, Doctoral Committee. 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. I) 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(I) 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 Copy forwarded for information to: 1) The Head of the Department of Malhematics 2) Supervisor(s) of the candidate: i) ... f. ... 4. C. - 1

4) The Finance Officer, B.U.

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

Joint Registrar

8/2/2017





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. 574

No.R-Ph.D./Regn. / Sc/ Math / 05

Dated: 12 - 08 - 2020

To:

Shri/Sm: Biswa Ranjan Datta

C/O: Prof. Absos Ali Shaikh, Dept. of Mathematics, B.U

Under UGC's New Regulation - 2016

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

Sir/Madam,

I am to inform you that the Vice-Chancellor vide order dated 08/07/2021 permitted you to get yourself registered as a candidate for Ph.D. degree, mentioned above, the title of your thesis being , "INVESTIGATION ON CURVATURE PROPERTIES OF CERTAIN SPACETIMES AND RICCI SOLITONS "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.

- a) You have been permitted to do research work under Prof. Absos Ali Shaikh, Dept. Of Mathematics, 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 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.
- f) i) You will be required to appear before Research Advisory Committee once in six months to make a 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(I) 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/Mall 31(4)

Dated: 12 -08 · 2020

Copy forwarded for information to:

1) The Head of the Department of Mathematics, B.U.

- 2) Supervisor(s) of the candidate: i) Prof. A.A shaikh, Dept. of Mathematics, B.U
- 3) The Secretary, Faculty Council for P.G. Studies in Science B.U.
- 4) The Finance Officer, B.U.

Joint Registrar

89.8.2091



Sirector - 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./ Mathematics/ E-20

Dated: 29.05.2024

To:

SL. NO. 578

Sri/Sm. Fleming Akhtar

C/O- Dr. Ali Akbar Shaikh,

Dept. of Mathematics, B.U

UNDER UGC's REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Mathematics with effect from 18.05.2022

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 SOME SUPPLY CHAIN PROBLEMS UNDER TRADITIONAL AND CONTROL THEORY APPROACHES" 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.

- a) You have been permitted to do research work under Dr. Ali Akbar Shaikh, Dept. of Mathematics, 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 18.05.2025 (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.

- 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.
- 1) 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,

Phatter jee

In Charge Research Section

Copy forwarded for information to:

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

SL.NO. 581



Under UGC's New Regulation - 2016

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

*********	****
	3.03.2025
No.R-Ph.D./Regn. / SC/ Mathematics/ 330 Dated: 1	3.63.60
Shri/Sm. Hachen Ale cfo & Ale Akbar Shaikh Deft of Mothematics. B.U.	to
GO W. He AKDAN Shairh	
Debt. of Mathematics. B.U.	•
Mallone	tics
Sub: Grant of Registration as a candidate for Ph.D. degree in	
Sub: Grant of Registration as a candidate for Ph.D. degree in	¥
	A
Sir/Madam,	- Am
- tu i A i / Chiango	at its meeting held
I am to inform you that the Faculty Council for P.G. Studies in Arts/ Science	at its meeting now
10 (A) D(A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	ale for This. action
the size heiner HN HTT NOTICE IN COLUMN	
THEORY FOR SOLVING INVENTORY PROBLEMS	UNDER
THEORY FURNISHED TO THE TOTAL TOTAL TO THE TOTAL TOTAL TO THE TOTAL TO THE TOTAL TOTA	
CRICP AND INTERVAL ENVIRONTMENTO.	
" Subject to	fulfillment of the
Data Damass	and such terms and
requirements set forth in the University Ordinances relating to Doctoral Degrees a	and such terms and
conditions as may be laid down by the appropriate authorities of the University from tin	ne to time.
You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight	t thousand only) for
enrolment of your name in the Register of candidates for Ph.D. degree, positively with	in 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.

Ale Akber Shoekh.

a) You have been permitted to do research work under 1714 1115 11 20 11

- 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.-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.

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

Joint Registrar

- 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.

I) 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(I) 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./ ScfMallif 230/1(4) Copy forwarded for information to: 2) Supervisor(s) of the candidate: i) Ar Ali Akber Shaikh. x) Deff. of Malhematics. B.ce 4) The Finance Officer, B.U.

Chatterjee

ctor – Lifelong Learning

harge - Research Section



The University of Burdwan

Rajbati, Burdwan- 713104, W.B M-9434740604

E-mail: jtdirector_lll@buruniv.ac.in

Dated: 29.05.2024

No.R-Ph.D./Regn./ Mathematics/ E-18

To:

SL.NO. 583

Sri/Sm. Hiranmoy Maiti

C/O- Prof. Swati Mukhopadhyay,

Dept. of Mathematics, B.U.

UNDER UGC's REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Mathematics with effect from 19.05.2022

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 , " ON SOME PROBLEMS OF FLOW, HEAT AND MASS TRANSFER OVER A DISK" 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.

- a) You have been permitted to do research work under Prof. Swati Mukhopadhyay, Dept. of Mathematics, 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 19.05.2025 (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.

- f) i) You will be required to appear before Research Advisory Committee once in six months to make a presentation? ... --- erribed in progress of his/her work for evaluation and further guidance. This six-monthly report shall be submitted by the Rese 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(I) 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,

Phatter jee

In Charge Research Section

Copy forwarded for information to:

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



Under UGC's New Regulation - 2016

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 ****

NO 591

SI NO 591			***	***********
SL.NO. 591	****	*******	Dated:	14,03,2024
No.R-Ph.D./Regn. /SC/ Malliema	Fico/ 332		Dateu.	,
No.R-Ph.D./Regn. /SC/ 17/Alle		inert		
	and the second s	Spirite Spirite		545
Shri/Sm. Nefac Das	P			
do Int. Anyn.	Boll.	400	67.1	2 : .
Shri/Sm Nefae Das Cfo Inf Arish Ghessel Dept of Malhematics.	and an artifaction of the	dagree in Mr.	alhem	aucs
Och of Malhematics. Sub: Grant of Registration as	ith effect from!.	09-2021	a	· ·
Sub: Grant of Regard	ith effect from		The state of the s	The same of the sa
Sir/ Madair,	G -il for PG	Studies in Arts/	Science	at its meeting need
Sir/Madam, I am to inform you that the Facul on. 10 - 02 - 2023 perr	lty Council for 1.0.	rself registered as	a candi	date for Ph.D. degree,
on 10 - 02 - 2023 perr	nitted you to get you	ESONANCE	.S.I.A.I	ES MOUNC
on. 10 - 02 - 2023 perr mentioned above, the title of you TWO - ELECTRON ATC)///SE//12/4.D.	3 7 24 b	and 1 (12)	
requirements set forth in the University down by the		ing to Doctoral	Degrees	and such terms and
requirements set forth in the Univer- conditions as may be laid down by the	sity Ordinances relati	as of the University	v from ti	me to time.
conditions as may be laid down by the	appropriate authoritie	S of the oravers	4.	t l-A for
	the Ph.D. Registratio	n fee of Rs. 8,000	0/- (Eigh	t thousand only) lor
You will now be required to deposit enrolment of your name in the Register	r of candidates for Ph	D. degree, positiv	vely with	in a month from the
enrolment of your name in the Register date of issue of this letter, failing w	hich your case will	not be considered	d for Ke	gistration as a Thib.
date of issue of this letter, failing w candidate and the relevant copy of the	cash receipt should b	e submitted to the	e Ph.D U	nit.
candidate and the relevant copy	note that 0 a	1 00	70	2081 8
In this connection you are requested to	ch work under	Hours The	Sal.	sept
Vi alle one etics - Bell				
In this connection you are requested to a a) You have been permitted to do resear New Lice - B. C.	<u></u>	as your Supervis	or / Co-	Supervisors.
b) You will be required to get yours	alf registered as a s	tudent of this U	niversit	y on migration after
b) You will be required to get yours	en registereu as a s	alf unless you ar	e already	a registered student

- 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
- 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 16-09-2024 (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.

- 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 of Possarch Studies with a converse shall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the research scholar fails to implement record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these 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 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

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

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

- 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
- 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.

I) 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(I) 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

Yours faithfully,
Tag
Joint Registrar
No. R/Ph.D./Regn./ScfMa/h/33341/10
No. R/Ph.D./Regn./ScfMalh 3371(4) Copy forwarded for information to: 1) The Head of the Department of Malh 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
DIV
2) Supervisor(s) of the candidate: i) Puf. Arijil. Ghesel. Deft. of
M) Malhematics B. a
3) The Secretary, Faculty Council for P.G. Studies in Science B.I.
4) The Finance Officer, B.U.
Jan
Joint Registrar

Chatterjee

rector - Lifelong Learning



The University of Burdwan

Rajbati, Burdwan- 713104, W.B M-9434740604

E-mail: jtdirector_lll@buruniv.ac.in

a Charge - Research Section

No.R-Ph.D./Regn./ Mathematics/ E-17

Dated: 29.05.2024

To:

SL. NO. 593

Sri/Sm. Partha Halder

C/O- Prof. Asoke Kumar Bhunia,

Dept. of Mathematics, B.U

UNDER UGC's REGULATION 2016

Sub: Grant of Registration as a candidate for Ph.D. degree in Mathematics with effect from 19.05.2022

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 SOME SINGLE/TWO-WAREHOUSE INVENTORY PROBLEMS FOR DETERIORATING ITEMS IN DIFFERENT ENVIRONMENTS" 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.

- a) You have been permitted to do research work under Prof. Asoke Kumar Bhunia, Dept. of Mathematics, 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 19.05.2025 (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.

- 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,

Phatter jee

In Charge Research Section

Copy forwarded for information to:

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



SL.NO. 597

Under UGC's New Regulation - 2016

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

Regulation - 2016
Regulation - 2010 **************************** *******
Jo.R-Ph.D./Regn. /SC/ Malhematics/ 331 Dated: 13.03.202
o: Shri/Sm. Punbasha Deb
Destf Malhematics. B.U.
Sub: Grant of Registration as a candidate for Ph.D. degree in
with effect the
that the Faculty Council for P.G. Studies in Arts/ Science at its meeting he
10 - 02 - 2022 permitted you to be Toral CITIONS ALL CONTES
mentioned above, the title of your thesis being CHAOTIC MIOTIONIS. ORGANIZED STRUCTURES IN CHAOTIC MIOTIONIS. "Subject to fulfillment of the state
0 11
titions as may be laid down by the appropriate additional
You will now be required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) and the required to deposit the Ph.D. Registration fee of Rs. 8,000/- (Eight thousand only) are 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. degree of the relevant copy of the cash receipt should be submitted to the Ph.D. Unit.
In this connection you are requested to note that P. Layek Deft
In this connection you are requested to note that a) You have been permitted to do research work under
b) You will be required to get yourself registered as a student of this University on migration after the ball unless you are already a registered student of the University of the ball unless you are already a registered student of the University of the ball unless you are already a registered student of the University of the Universi

- completing all the necessary formalities prescribed in this behalf, unless yo 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 14-09-2024 (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.

- f) i) You will be required to appear before Research Advisory Committee once in six monthly representation of the civementally representation of the civementally representation of the civemental of the civement presentation of the progress of his/her work for evaluation and further guidance. This six-monthly report shall be subshall be submitted by the Research Advisory Committee to the Board of Research Studies with a copy to the
- ii) In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the research scholar fails to implement record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures. 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

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

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

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

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(I) 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,
gran de la companya della companya della companya de la companya della companya d
Joint Registrar
No. R/Ph.D./Regn./Sc/Malk. 13 34 16
Copy forwarded for information to:
1) The Head of the Department of
2) Supervisor(s) of the candidate: i) Pof. Go Ca layer Deff. of Malhematics Bu
Malhematics Bu
3) The Secretary, Faculty Council for P.G. Studies in
4) The Finance Officer, B.U.
7- ^
Joint Registrar