

Contribution of the faculties of the Department of Mathematics in Curriculum Development, Final Examination etc.

1. Member of the Committee for Course of Studies (CCS) for FYUGP at the Gauhati University the affiliating University

Dr. Dhiraj Kumar Das : Member of CCS of FYUGP Programme

Dr. Alok Das : Member of CCS of FYUGP Programme

Dr. Dipankar Sarma: Member of CCS of CBCS- PG Programme

This appears to be a long document. Save time by reading a summary using AI Assistant.

(No. of practical classes: 30, Marks: 20)

Text Book:

1. Tyn Myint-U and Lokenath Debnath, *Linear Partial Differential Equation for Scientists and Engineers*, Springer, Indian reprint, 2006.
2. Sneddon, I. N. (2006). *Elements of Partial Differential Equations*, Dover Publications. Indian Reprint.

Reference Book:

1. Stavroulakis, Ioannis P & Tersian, Stepan A. (2004). *Partial Differential Equations: An Introduction with Mathematica and MAPLE* (2nd ed.). World Scientific.
2. M. D. Raisinghania, *Advanced Differential Equations*, S. Chand & Company LTD.

Course Designers: 1. Prof. R. K. Deka, Dept. of Mathematics, Gauhati University
Ph. No. 9864071454; Email: rkdega@gauhati.ac.in
2. Dr. U. J. Das, Dept. of Mathematics, Gauhati University
Ph. No. 9436222171; Email: utpaljyotidas@gauhati.ac.in
3. Dr. Dhiraj Kumar Das, Dept. of Mathematics, J.N. College, Boko
Phone Number: 8761985755, Email ID: das.dhirajkumar@gmail.com
4. Dr. Barnali Das Deka, Dept. of Mathematics, Darrang College,
Phone No. 9435381354, Email ID: barnalidasdeka@gmail.com

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(iv) Trapezoidal rule
(v) Simpson's rule

Note: For any of the CAS *Matlab/Mathematica/Maple* etc., Data types-simple data types, floating data types, character data types, arithmetic operators and operator precedence, variables and constant declarations, expressions, input/output, relational operators, logical operators and logical expressions, control statements and loop statements, arrays should be introduced to the students.

(No. of practical classes: 30, Marks: 20)

Text Books:

- [1] Chapra, Steven C.(2018). *Applied Numerical Methods with MATLAB for Engineers and Scientists* (4th ed.) Mc Graw-Hill Education.
- [2] Fausett, Laurene V. (2009). *Applied Numerical Analysis Using MATLAB*. Pearson. India
- [3] Jain, M.K., Iyengar, S.R.K., & Jain R.K.(2012). *Numerical Methods for Scientific and Engineering Computation* (6th ed.). New Age International Publishers. Delhi.

Course Designers:

1. Dr. Nilakshi Goswami, Dept. of Mathematics, Gauhati University
Phone Number: 9864271589, Email ID: ngoswami@gauhati.ac.in
2. Dr. Dhiraj Kumar Das, Dept. of Mathematics, J.N. College, Boko
Phone Number: 8761985755, Email ID: das.dhirajkumar@gmail.com
3. Mr. Riju Kumar, Dept of Mathematics, Pandu College.
Phone No.: 9854774201, Email ID: kuarrju@yahoo.com

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[1] Chapter 13 [(Sections 13.2, 13.3), Section 13.4 (pages 712 to 716), Section 13.5 (pages 723 to 726) Section 13.6 (pages 733 to 737), Section 13.7 (pages 742 to 745)]
(No. of classes: 15, Marks: 20)

Text book:

- [1] Strauss, Monty J., Bradley, Gerald L. & Smith, Karl J (2007). *Calculus* (3rd ed.). Dorling Kindersley (India) Pvt. Ltd. (Pearson Education). Delhi. Indian Reprint 2011

Reference Books:

1. Marsden, J.E., Tromba, A., & Weinstein, A. (2004). *Basic Multivariable Calculus*. Springer (SIE). First Indian Reprint.
2. G.B. Thomas and R.L. Finney. *Calculus*, 9th Ed., Pearson Education, Delhi, 2005.
3. James Stewart, *Multivariable Calculus, Concepts and Contexts*, 2nd Ed., Brooks / Cole, Thomson Learning, USA, 2001.

Course Designers:

1. Dr. Hemen Dutta, Dept. of Mathematics, Gauhati University.
Phone Number: 9435482749, Email ID: duttah@gauhati.ac.in
2. Dr. Dhiraj Kumar Das, Dept. of Mathematics, J.N. College, Boko
Phone Number: 8761985755, Email ID: das.dhirajkumar@gmail.com
3. Dr. Anjana Bhattacharya, Dept of Mathematics, B. Barooah College.
Phone No.: 9435348748, Email ID: anjanabs72@gmail.com

2. Final Exam Question paper setting for Affiliating University and other autonomous colleges

Dr. Dhiraj Kumar Das : Gauhati University & Arya Vidyapith College (Autonomous)

Dr. Alok Das : : Gauhati University

Dr. Dipankar Sarma: : Gauhati University

GAUHATI UNIVERSITY
GUWAHATI - 14

No. CON/PS/ACB/CS/23/110

Strictly Confidential

Date: 17 FEB 2025

From: Pransh Kumar Das
Akashdeep Goswami
Dy. Controller of Examinations
Gauhati University
E-mail: pransh.k@gauhati.ac.in / akashdeep@gauhati.ac.in
Ph: 9401028323 / 9859990297

To: Dr./Mr./Mrs. **Dr. Dipankar Sarma**
Dept. of **Mathematics**
Gauhati University / **J.N. College** College/Mahavidyalaya

Sir/Madam,
As directed by Hon'ble Vice-Chancellor, I have the honour to inform you that you have been appointed as
Paper Setter in **Mathematics** Paper Code **MAT-HE-4016**
Paper Title **Boolean Algebra and Automata Theory**
for TDC/FYUGP/FYIMP 1st/³rd /5th and 2nd/⁴th /6th Semester Examination, 2024 of the Gauhati University. Kindly
intimate your acceptance or otherwise immediately. Your special attention is drawn to the rules given overleaf and
you are earnestly requested to observe them strictly.
You are requested to send the manuscript of the Paper(s) set by you by Speed Post/Registered/Air Post in
double sealed covers addressed to the undersigned by the Name on or before **17 MAR 2025**
positively.
The manuscript must be in your own handwriting or in computer DTP (M.S. Word). Please attach the answer
keys of the objective type questions with the manuscripts.

Enclosures: 1. Syllabus & list of Text Books
2. Sample question Paper
3. Blank Sheets
4. Envelopes

N.B.: 1. Except the language papers / subjects, other manuscripts must be written-
(a) Only in English ☐ (b) Both in English & Assamese ☐

2. Paper setters in LANGUAGE subjects are particularly requested to verify the text and the pieces selected
various examinations.
3. Paper setters for B.A., B.Sc. & B.Com. Examinations are requested to maintain the difference of standard
between the General and Major courses while setting questions.
4. While the questions set should cover the entire course they should not exceed the limit prescribed for each
examination.
5. Paper setter specially in a language subject will please supply full reference of the question set at the
bottom of the sheets.
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Gauhati University
Guwahati-14 : Assam
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No. CON/PS/2NIP/23/083

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Date: 21 FEB 2025

From: Pransh Kumar Das
Akashdeep Goswami
Dy. Controller of Examinations
Gauhati University
E-mail: pransh.k@gauhati.ac.in / akashdeep@gauhati.ac.in
Ph: 9401028323 / 9859990297

To: Dr./Mr./Mrs. **Dr. Alok Das**
Dept. of **Mathematics**
Gauhati University / **J.N. College** College/Mahavidyalaya

Sir/Madam,
As directed by Hon'ble Vice-Chancellor, I have the honour to inform you that you have been appointed as
Paper Setter in **Multi-Disciplinary Course** Paper Code **MDC-020203**
Paper Title **Foundations of Mathematical Sciences-II**
for TDC/FYUGP/FYIMP 1st/³rd /5th and 2nd/⁴th /6th Semester Examination, 2024 of the Gauhati University. Kindly
intimate your acceptance or otherwise immediately. Your special attention is drawn to the rules given overleaf and
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You are requested to send the manuscript of the Paper(s) set by you by Speed Post/Registered/Air Post in
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No. CON/PS/ACB/CS/24/110

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Date: 04 OCT 2024

From: Pransh Kumar Das
Akashdeep Goswami
Dy. Controller of Examinations
Gauhati University
E-mail: pransh.k@gauhati.ac.in / akashdeep@gauhati.ac.in
Ph: 9401028323 / 9859990297

To: Dr./Mr./Mrs. **Dr. Dipankar Sarma**
Dept. of **Mathematics**
Gauhati University / **J.N. College** College/Mahavidyalaya

Sir/Madam,
As directed by Hon'ble Vice-Chancellor, I have the honour to inform you that you have been appointed as
Paper Setter in **Mathematics** Paper Code **MAT-RE-5026**
Paper Title **Discrete Mathematics**
for TDC/FYUGP/FYIMP 1st/³rd /5th and 2nd/⁴th /6th Semester Examination, 2024 of the Gauhati University. Kindly
intimate your acceptance or otherwise immediately. Your special attention is drawn to the rules given overleaf and
you are earnestly requested to observe them strictly.
You are requested to send the manuscript of the Paper(s) set by you by Speed Post/Registered/Air Post in
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The manuscript must be in your own handwriting or in computer DTP (M.S. Word). Please attach the answer
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Date: 04 OCT 2024

From: Pransh Kumar Das
Akashdeep Goswami
Dy. Controller of Examinations
Gauhati University
E-mail: pransh.k@gauhati.ac.in / akashdeep@gauhati.ac.in
Ph: 9401028323 / 9859990297

To: Dr./Mr./Mrs. **Dr. Dipankar Sarma**
Dept. of **Mathematics**
Gauhati University / **J.N. College** College/Mahavidyalaya

Sir/Madam,
As directed by Hon'ble Vice-Chancellor, I have the honour to inform you that you have been appointed as
Paper Setter in **Mathematics** Paper Code **MAT-SE-5014**
Paper Title **Combinatorics and Graph Theory**
for TDC/FYUGP/FYIMP 1st/³rd /5th and 2nd/⁴th /6th Semester Examination, 2024 of the Gauhati University. Kindly
intimate your acceptance or otherwise immediately. Your special attention is drawn to the rules given overleaf and
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You are requested to send the manuscript of the Paper(s) set by you by Speed Post/Registered/Air Post in
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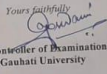
From: Pranab Kumar Das
Akashdeep Goswami
Dr. Controller of Examinations
Gauhati University
E-mail: pranabk@gauhati.ac.in / akashdeep@gauhati.ac.in
Ph: 9401028323 / 9859990297

To: Dr./Mr./Mrs. Dr. Dhiraj Ch. Das
Dept of Mathematics
Gauhati University / J.N. College College/Mahavidyalaya

Sir/Madam,

As directed by Hon'ble Vice-Chancellor, I have the honour to inform you that you have been appointed as
Paper Setter in Mathematics Paper Code MAT-HE-6036
Paper Title Probability and Statistics
for UG/PG/PGDIP/IMP 1st/3rd/5th and 2nd/4th 6th Semester Examination, 2024 of the Gauhati University. Kindly
intimate your acceptance or otherwise immediately. Your special attention is drawn to the rules given overleaf and
you are earnestly requested to observe them strictly.
You are requested to send the manuscript of the Paper(s) set by you by Speed Post/Registered/Air Post in
double sealed covers addressed to the undersigned by the Name on or before 21 OCT 2024
positively.
The manuscript must be in your own handwriting or in computer DTP (M.S. Word). Please attach the answer
keys of the objective type questions with the manuscripts.

Enclosures: 1. Syllabus & list of Text Books
2. Sample question Paper
3. Blank Sheets
4. Envelopes

Yours faithfully

Dr. Controller of Examinations
Gauhati University

N.B.: 1. Except the language papers / subjects, other manuscripts must be written-
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2. Paper setters in LANGUAGE subjects are particularly requested to verify the text and the pieces selected
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To: The Dr. Controller of Examinations
Gauhati University
Guwahati-14, Assam
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ARYA NAGAR, GUWAHATI-781016
RE-ACCREDITED WITH GRADE A BY NAAC
Email: controlleravc@gmail.com
Website: www.avcollege.ac.in
Date: 15/5/25

No. AVC/CoE/UG/Sem-VI/2025/Ex/1-100

From: Dr. Bhabesh Das
Deputy Controller of Examinations
Arya Vidyapeeth College (Autonomous)
Mobile: 8133065898

To: Prof./Dr./Mr./Ms. Dhiraj Kr. Das
Department of Mathematics
J.N. College College/University.

Sir/Madam,

As directed by the Controller of Examinations, Arya Vidyapeeth College
(Autonomous), I have the honour to inform you that you have been appointed as **Script
Examiner in Subject Mathematics Paper MAT-HE-6046** in
connection with UG/6th Semester End Examination, 2025 of Arya Vidyapeeth College
(Autonomous). Kindly submit the evaluated Answer scripts along with other documents by
22/5/25 positively.

Yours sincerely

Deputy Controller of Examinations
Arya Vidyapeeth College (Autonomous)
Guwahati-16

Encls:
1. Top Sheet
2. Question paper
3. Blank Mark Foil
4. Inner Envelope
5. Remuneration bill


OFFICE OF THE CONTROLLER OF EXAMINATIONS
ARYA VIDYAPEETH COLLEGE (AUTONOMOUS)
ARYA NAGAR, GUWAHATI-781016
RE-ACCREDITED WITH GRADE A BY NAAC
Email: controlleravc@gmail.com
Website: www.avcollege.ac.in
Date: 19/05/25

No. AVC/CoE/PG/Sem-II/Sem-IV/2025/Ex/1-80

From: Dr. Manab Deka
Deputy Controller of Examinations
Arya Vidyapeeth College (Autonomous)
Mobile: 9435047015

To: Prof./Dr./Mr./Ms. Dhiraj Kr. Das
Department of Mathematics
J.N. College/University.

Sir/Madam,

As directed by the Controller of Examinations, Arya Vidyapeeth College (Autonomous), I
have the honour to inform you that you have been appointed as **Script Examiner in Subject
Mathematics Paper Code MAT-4036** in connection
with PG 2nd/4th Semester End Examination, 2025 of Arya Vidyapeeth College (Autonomous).
Kindly submit the evaluated Answer scripts along with other documents by
29/05/25 positively.

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1. Top Sheet
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Yours Sincerely,
Deputy Controller of Examinations
Arya Vidyapeeth College (Autonomous)
Guwahati-16


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ARYA NAGAR, GUWAHATI-781016
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Email: controlleravc@gmail.com
Website: www.avcollege.ac.in
Date: 20/04/24

No. AVCCOE/Sem-II(Arr)/Sem-IV(Arr)/2024/Ex/1-100

From: Dr. Manab Deka/Dr. Bhupali Sharma
Deputy Controller of Examinations
Arya Vidyapeeth College (Autonomous)
Mobile: 9435047015/9859137480

To: Prof./Dr./Mr./Ms. D.K. Das
Department of Mathematics
J.N. College/University.

Sir/Madam,

As directed by the Controller of Examinations, Arya Vidyapeeth College (Autonomous), I
have the honour to inform you that you have been appointed as **Script Examiner in Subject
Mathematics Paper MAT-4036** in connection with
UG/PG 2nd/4th (Arrar) Semester End Examination, 2024 of Arya Vidyapeeth College (Autonomous).
Kindly submit the evaluated Answer scripts along with other documents by 20/06/24 (date)
positively.

Yours sincerely

Deputy Controller of Examinations
Arya Vidyapeeth College (Autonomous)
Guwahati-16

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1. Top Sheet
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Sir, This is to inform you that I accept/cannot accept the appointment as conveyed in your above letter.
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