Institute of Applied Sciences and Humanities
Department of Mathematics
NOTICE

The Thirteenth meeting of the Board of Studies of the Department of Mathematics will be held on 10th June, 2020 Wednesday at 11.30 a.m. in R-113, AB 8. All the members are requested to attend.

The agenda of the meeting will be as follows:

1. To confirm the minutes of the twelfth meeting of the Board of Studies held on July 5, 2019.
2. To discuss and approve the new syllabi of:

(a) Engineering Mathematics I	B. Tech. I Year I Semester
(b) Engineering Calculus	B. Tech. I Year I Semester
(c) Engineering Mathematics II	B. Tech. I Year II Semester
(d) Linear Algebra and Differential Equations	B. Tech. I Year II Semester
(e) Engineering Mathematics III	B. Tech. II Year III Semester
(e) Random Variables and Software Tools	Ph D Course Work
(f) Computer Skills and Fluid Dynamics	Ph D Course Work
(g) Computational Methods for Fluid Dynamics	Ph D Course Work

(h) Foundations of Complex Analysis I Ph D Course Work

(i) Research and publication EthicsPh D Course Work

3. To discuss and approve the course structure of our new programme M Sc (Mathematics) and the syllabi of various first year courses
4. To consider and recommend the courses imparting employability, skill development and entrepreneurship to the students of M Sc (Mathematics) and Ph.D program.
5. To consider and approve modification in one course and to introduce one new course in PhD Programme, as recommended by the Research Cell of the University.

6. Any other matter with the permission of the chair.

Prof. Manish Goyal
Associate Head
Head of the Department
Mathematics
Institute of Applied Sciences & Humanities
GLA University, Mathura

CC: 1.PS to Vice Chancellor for the kind information of hon'ble Vice Chancellor
2.PS to Pro Vice Chancellor for the kind information tohon'ble Pro Vice Chancellor
3. Registrar for his kind information.
4. Director, IAH & Dean (Academic Affairs'),for his kind information.
5. All BoS members, Mathematics, for information

Institute of Applied Sciences and Humanities
Department of Mathematics

10thJune, 2020

<u>Minutes of the Thirteenth Meeting of Board of Studies</u>

Following members were present in the 13th BoS meetingheld on 10th June, 2020 at 11:30 a.m. in R-113, Block VIII:

1. Prof. A. K. Gupta — Chairperson & Director (IAH)
2. Prof. Manish Goyal — Associate Head, Maths, member
3. Dr. Amit Prakash — External Expert, NIT KKR (via mail)
4. Prof. A. Pradhan — Professor, Maths, member
5. Dr. Pooja Pathak — Associate Professor, Maths, member
6. Dr. Ashish Sharma — Associate Professor, Maths, member
7. Dr. Amit Kumar Saraswat — Assistant Professor, Maths, member
8. Dr. Ambuj Kumar Mishra — Assistant Professor, Maths, member
9. Dr. NishaGodani — Assistant Professor, Maths, member
10. Dr. Mukesh Kumar — Assistant Professor, Maths, invitee

Item 13.1: Minutes of 12th meeting were confirmed by the BoS.

Item 13.2: The revised syllabi of Mathematics courses of B. Tech. I year, B. Tech. II year and new syllabi of Ph D course work (Mathematics) were approved (Annexure –I).

Item 13.3: The course structure of NewM. Sc. (Mathematics) programme along with its first-year syllabipresented in Annexure –I was also approved.

Item 13.4: The courses of M.Sc. (Mathematics) and Ph.D (Mathematics) presented in Annexure –II were found suitable for employability, skill development,Entrepreneurshipfor the students.

Item 13.5: Research Cell of the University recommended modification in the Syllabus of "Research Methodology" Course as well as recommended to introduce "Research and Publication Ethics" course in PhD Programme from the Session 2020-21.

Syllabi of both the courses were duly considered by the board and subsequently approved

Item 13.6: The credits of two Mathematics courses in B. Sc. (H) Chemistry I year were increased from 3 (3L-0T-0P) to 4 (3L-1T-0P) as per the requirement.

The members of BoS recommended these courses for submission to Academic Council, GLA University for approval and implementation from the academic session 2020–21.

The meeting ended with thanks to the chair.

Dr. Manish Goyal
Member, BoS
Associate Head,
Mathematics

CC: 1. Vice Chancellor
2. Pro-Vice Chancellor
3. Registrar
4. Dean (Academic Affairs') &Director, IAH
5. All BoS members

ANNEXURE- II

List of courses having focus onEmployability/Entrepreneurship/Skilldevelopment offered by the Department

S. No.	Name of the course	Course focused on
1	Real Analysis	Skill Development &Employability
2	Abstract Algebra	Skill Development &Employability
3	Ordinary Differential Equations	Skill Development &Employability
4	Linear Algebra	Skill Development &Employability
5	Programming in Python	Skill Development
6	Python Programming Lab	Skill Development
7	Statistical Analysis	Skill Development &Employability
8	Operational Research-I	Skill Development &Employability
9	Topology	Skill Development &Employability
10	Complex Analysis-I	Skill Development &Employability
11	Functional Analysis	Skill Development &Employability
12	Technical Writing	Skill Development
13	Statistical Analysis Lab with R-Programming	Skill Development
14	Computer based Numerical Techniques and Soft Computing	Skill Development &Employability
15	Applied Statistics and Optimization Techniques	Employability
16	Differential Geometry of Manifolds	Employability
17	Riemann-Finsler Geometry	Employability
18	Relativity and Cosmology	Employability
19	Computer Skills, Tensor and Riemannian Geometry	Skill Development &Employability
20	Inventory Modeling	Employability
21	Partial Differential Equations : Methods & Applications	Employability

22	Research Methodology	Skill Development
23	Random Variables and Software Tools	Skill Development &Employability
24	Computer Skills and Fluid Dynamics	Skill Development &Employability
25	Computational Methods for Fluid Dynamics	Employability
26	Foundations of Complex Analysis I	Employability
27	Research and publication Ethics	Skill Development
28	Research Methodology	Skill Development

Head of the Department
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