RESUME PROFORMA

1 **Name** : MOHD. RAIS KHAN

2 **Designation** : Professor

3 **Office Address** : Department of Mathematics,
Jamia Millia Islamia,
New Delhi – 110025
Office Phone : 011-26822272

4 **Residential Address**: Department of Mathematics,
Jamia Millia Islamia,
New Delhi – 110025
Residential Phone : 011-26822272

5 **Email** : mohdrais_khan@yahoo.co.in
mrkhan2@jmi.ac.in

6 **Date of Birth** : March, 15, 1952

7 **Date of Joining JMI** : August 18, 1978

8 **Field of Specialization**: Algebra

9 **Teaching Experience**: 32 Years

10 **Field of Research Interest / Area of Interest**:

- Associative & Non-Associative Algebra Rings
- Derivations in Rings and Nearrings
- Generalized Derivation in Rings and Nearrings
- Applications of Nearrings in Coding Theory and Cryptography

11 **Academic Qualification**:

S. No.	Degree	Year	Marks %	Name of Institutes
1	B.Sc. (Hons.)*	1971	82.8%	AMU, Aligarh
2	M.Sc. Mathematics*	1973	91%	AMU, Aligarh
3	M.Phil.	1978	Awarded	AMU, Aligarh
4	Ph.D.	1981	Awarded	AMU, Aligarh
5	Post Doctoral Fellow	1985	Awarded	University of Illinous at Urbana-Champaign

12 **Other Academic/Administrative Responsibilities**:

S. No.	Position Held	From	To	Name of Institutes
1	Incharge, Time Table (Three Faculties)	For the last 5 years	Till date	Jamia Millia Islamia, New Delhi - 110025
2	Coordinator in chief Self Financing Courses	For the last 4 years	Till date	Jamia Millia Islamia, New Delhi - 110025
3	Head, Dept. of Mathematics	September 2006	September 2009	Jamia Millia Islamia, New Delhi - 110025

13 **Courses Taught at Postgraduate and Undergraduate Level**:

Linear Algebra, Calculus, Mechanics, Lattice and Module Theory, Algebra Groups, Rings & Vector Spaces.

14 **Research Project Supervised**:

- One Major Research Project in progress entitled "development of derivations in certain Classes of Nearring with applications" granted by UGC

15 **PhD Thesis Awarded**:

- Kanahiya Lal Kaushik (2007), *On the Generalized Derivations of algebras*
- Govind Kumar jha (2009), *Applications of Chaos Control*
- Jaiprakash Kaushik (2009), *On Quas-ideals in Semirings*
- Moin Akhtar Ansari (2010), *Quasi Ideals in Algebraic System*
- Yengkhom Satendar Singh (2011), *Quasi Absorbent in Lattices*

16 **PhD Thesis Guiding**:

- Mohammad Mueenul Hasnain, *Some Contributions to Rings and Nearrings*
- Amit Bhooshan singh, *On Monoid Rings*
- Prachi Juyal, *A Study on Power Series Rings and Modules*

17 **Project guided at Postgraduate Level**: 30

18 **Member**:

- Members of Board of Studies(BOS), member of various expert committees and member of selection committee at Delhi University, Delhi Technical University and Aligarh Muslim University.

19 **National / International Visit**:

S. No.	Purpose of Visit	From	To	Country
1.	ICTP Trieste, Italy	1992 (for 15 days)		Italy

20 **Reviewer of Research Papers**: Reviewer of research papers for Mathematical Reviews for 3 years.

21 **Workshop/Conference Organized/Attended**:

S. No.	Title of workshop	From	To	Organized Place
1	International Conference on Mathematical & its Applications	March 30-31, 2009		JMI

22 **Awards and Scholarship**:

- Awarded National merit scholarship for study abroad from then Ministry of Education for postdoctoral Research.
- *Awarded National merit scholarship from Govt. of India for P.G. program.
- *Awarded Sir Ziauddin Gold medal for standing 1st at M.A. / M.Sc. examination.
- Awarded CSIR fellowship for Ph. D. program.

23 **List of Publications in National / International Journal**:

1. Mohd. Rais Khan, On-quasi-commutative Jordan algebras I, Math. Japonica V. 24, No.5 (1980), 79-487.
2. Mohd. Rais Khan, The Wedderburn Principal Theorem for quasi-commutative Jordan algebras, Tamkang J. of Math . V. 11, No. 2(1980), 237-248.
3. Mohd. Rais Khan, On-quasi-commutative Jordan algebras II, Tamkang J. Math. V. 9, No. 2(1978), 171-188.
4. Mohd. Rais Khan, On special class of Bol loops, Tamkang J. Math. V. 8, No. 1(1977), 37-41.
5. Mohd. Rais Khan, A note on quasi-commutative Jordan algebras, Aligarh Bull of Math.

6. Mohd. Rais Khan, On the derivation of quasi-commutative Jordan algebras, Ind. Nat. Sci. Acad International Conference on algebra & its applications No. 13-16 (1997)
7. Mohd. Rais Khan, On the generalization of commutative power associated algebras. Aleg. Bull of Maths V.18, 1999, 63-71.
8. Moin A. Ansari, Mohd. Rais Khan and J P Kaushik, Notes on generalized (m, n) bi-ideals in semigroups with involution, International Journal of Algebra, Vol. 3, 2009 no. 19, 945-952.
9. Moin A. Ansari, Mohd. Rais Khan and J P Kaushik, A note on (m, n) quasi-ideals, Int. Journal of Math. Analysis, Vol. 3, 2009, No. 38, 1853-1858
10. Moin A. Ansari, Mohd. Rais Khan and J P Kaushik, A remark on *-maximal quasi-ideal in *-ring, International J. of Math. Sci. &Engg. Appls, ISSN 0973-9424, Vol. 3, No. III (2009), pp. 53-61
11. Moin A. Ansari, Mohd. Rais Khan and J P Kaushik, On semiprime, prime and strongly prime *-bi-ideals in semigroups with involution, global Journal of Pure and Applied Mathematics, ISSN 0973-1768, Vol. 5, No. 1(2009), pp. 89-94
12. Moin A. Ansari, Mohd. Rais Khan and J P Kaushik, Notes on (m, n) bi- -ideals in - semigroups (accepeted in Rendiconti del CircoloMatematico de Palermo).
13. Moin A. Ansari, Mohd. Rais Khan and J P Kaushik, On rough (m, n) quasi-ideals in semigroups (submitted).
14. Y. S. Singh and M. R. Khan, *Some Characterization of (m,n)- absorbents of groupoid lattices, International Journal of Algebra, Vol. 4, 2010, no. 18, 881 – 887.*
15. Y. S. Singh and M. R. Khan, *A Note on Quasi*-Γ-*Absorbents in* Γ-*Groupoid Lattices, International J. of Math. Sci. & Engg. Appls. (IJMSEA)* ISSN 0973-9424, Vol.4, No. V, December 2010, pp. 19-24.
16. Y. S. Singh and M. R. Khan, *Regular Quasi*-Γ-*absorbents* Γ-*Groupoid Lattices*, Int. J. of Open Problems Computer Science and Mathematics, Vol. 3, No.5, Dec 2010. (Appearing).
17. P. Juyal and M. R. Khan, *Semilocal Qf-3 and partially P.P ring*, Int. Math. Fouram, Vol. 5, no. 55, 2010, pp-2723-2730.
18. P. Juyal, M. R. Khan, V. N. Dixit, *p. q. Baer ring with generalized countable join*, International Journal of Algebra, Vol. 4, 2010, no. 21-24, 1093-1099.
19. A.B. Singh, M. R. Khan, P. Juyal, *A note on extension of p. q. Baer rings*, Int. Math. Forum, Vol. 5, 2010, no. 57-60, 2945-2951.
20. B. Singh, M. R. Khan, V. N. Dixit, *On α-Abelian module*, Int. Math. Forum, Vol. 5, 2010, no. 57-60, 2843-2856.
21. B. Singh, M. R. Khan, V. N. Dixit, *Skew monoid rings over zip rings*, International Journal of Algebra, Vol. 4, 2010, no. 21-24, 1031-1036.
22. A.B. Singh, P. Juyal, M.R. Khan, *Strongly Reversible Rings Relative to Monoid*, Int. J. Pure Appl. Math., Vol. 63, no. 1, 2010, pp-1-7.
23. M. R. Khan, D. Arora and M. A. Khan, *Remarks on Derivations of σ-Prime rings*, International Journal of Algebra, (16) 4 (2010), pp-761-767.
24. M. R. Khan, D. Arora and M. A. Khan, *Notes on derivations and Lie ideals in σ-Prime rings*, Advanced in Algebra, (1) 3(2010), pp-19-23.
25. M. R. Khan, D. Arora and M. A. Khan, *Some Results on σ-Lie ideals & Generalized Derivations in σ-Prime ring*, International Journal of Mathematical Archive, (2) 2 (2011), pp-241-245.

26. Juyal, M.R. Khan, V.N. Dixit**,** *On Reduced and □-Skew Quasi-Armendariz Module*, Int. J. Pure Appl. Math., Vol. 70, no. 1, 2011, pp-65-76.
27. M. R. Khan, M. A. Khan and M. M. Hasnain, "(σ, τ) - Γ-Derivation on Certain Γ-Nearrings", Advanced in Algebra (**Accepted**).
28. Y. S. Singh and M. R. Khan, *Minimal Quasi Absorbent in Groupoid Lattice-II*, Tamkang Journal of Mathematics (**Communicated**).
29. Y. S. Singh and M. R. Khan, *Minimal Quasi Absorbent in Groupoid Lattice-II*, Tamkang Journal of Mathematics (**Communicated**).
30. Y. S. Singh and M. R. Khan, *Minimal Γ-Quasi Absorbent in Γ-Groupoid Lattice*, Mathematika (**Communicated**).
31. M. R. Khan, D. Arora and M. A. Khan, *Lie Ideals and Generalized Derivations in σ-Prime rings* (**Communicated**).
32. M. R. Khan, D. Arora and M. A. Khan, *σ- Ideals and Generalized Derivations in σ-Prime rings* (**Communicated**).
33. M. R. Khan, M. A. Khan and M. M. Hasnain, *Generalized (σ, τ) - Derivation on Nearrings*, Kyungpook Mathematical Journal, Kyungpook (**Communicated**), Korea.
34. M. R. Khan and M. M. Hasnain, *On Γ-Nearring with Γ-Derivation*, Advanced Research in Pure Mathematics, Institute of Advanced Scientific Research (**Communicated**), U.S.A.
35. M. R. Khan and M. M. Hasnain, *Some Condition on Nearrings with (α, β) Derivation*, Contributions to Algebra and Geometry (**Communicated**), Germany.
36. M. R. Khan and M. M. Hasnain, *Note on Generalized (θ, □) Derivation and σ-Lie Ideal in σ-Prime Rings*, Communications of the Korean Mathematical Society (**Communicated**), Korea.
37. M. R. Khan and M. M. Hasnain, *A Remark on Derivation of Semi Prime Ring*, Mathematical Journal of Okayama University (**Communicated**), Japan.

Place: New Delhi **(Prof. Mohd. Rais Khan)**