

**AREA OF SPECIALIZATION FOR ADMISSION TO M.PHIL. PH.D.
DURING THE SESSION 2012-2013**

| Faculty / Department | Number of Vacancies available | Area of Specialization |
|---|--|---|
| Faculty of Arts | | |
| Dept of Fine Art | 09 | Painting |
| Dept. of English | 15 | <p><u>M.Phil / Ph.D in English</u></p> <ul style="list-style-type: none"> Ø Drama - Elizabethan to Modern, (British, American and Continental). Ø Poetry, Elizabethan to Modern Ø Prose and Fiction from 17th Century to the modern Ø Literary Criticism and theory <p><u>M.Phil / Ph.D in ELT</u></p> <ul style="list-style-type: none"> Ø Theoretical and Applied Linguistics: Phonetics, Grammar, Psycholinguistics (Theories of Language Learning, Inter Language, Error Analysis) Sociolinguistics, (Functions and Various and Variation of Language, Language Society and Culture, Communicative competence, discourse analysis) Ø Teaching of Skills and Elements of Language: (Teaching of Listening, speaking: reading and writing: grammar: vocabulary: teaching methods Ø Teaching of Skills and Elements of Language (As per MA ELT Syllabus of AMU) |
| Dept of Modern Indian Language | 05 05 03 05 | <ul style="list-style-type: none"> Ø (i) Tamil Literary studies Ø (ii) Sociology of Literature Ø Modern Malayalam Literature Ø Punjabi Language and Literature Ø (i) Telgu Language and Literature Ø (ii) Comparative Literature |
| Dept of Persian | 07 | <ul style="list-style-type: none"> Ø Indo-Persian Ø Modern Persian Ø Classical Persian |
| Dept of Sanskrit | 13 | <ul style="list-style-type: none"> Ø Vedic Literature Ø Classical Sanskrit Literature Ø Pali & Bhudhism |
| Dept of Arabic | 01 01 | <ul style="list-style-type: none"> Ø Classical, Modern & Indo-Arab Literature Ø Modern Arabic Literature |
| Dept of Urdu | 03 02 04 01 | <ul style="list-style-type: none"> Ø Modern Literature Ø Classical Poetry Ø Urdu Fiction Ø Tahqueeq |
| Dept of Linguistics | 01 08 01 | <ul style="list-style-type: none"> Ø Sociolinguistics Ø Morpho Syntax Applied Linguistics Ø Applied Linguistics |
| Dept of Hindi | 13 | <ul style="list-style-type: none"> Ø General 12 Ph.D Ø General 01 M.Phil |
| Centre of Comparative Study of Indian Languages & Culture | 03 | <ul style="list-style-type: none"> Ø Comparative Language & Literature Ø Folk Literature Ø Translation Ø Kashmiri Language & Lit. |

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|---|---|--|
| Dept of Philosophy | 03 | Ø Western Philosophy |
| | 02 | Ø Indian Philosophy |
| | 01 | Ø Feminism |
| | 02 | Ø Muslim Philosophy |
| | 03 | Ø Logic, Applied Ethics |
| | 06 | Ø Western Philosophy |
| Faculty of Agricultural Sciences | | |
| Dept. of Plant Protection | 09 | Ø Plant Pathology & Nematology |
| | 05 | Ø Entomology |
| Dept. of Agri. Eco. & Business Manage. | 01 | Ø Financial & Cooperative Management |
| | 02 | Ø Economic theory and Policies |
| Dept. of Post Harvest Engg. & Tech. | 02 | Ø Agriculture Process and Food Engineering. |
| Dept. Agricultural Microbiology | 03 | Ø Agricultural Microbiology |
| Dept. Home Science | 02 | Ø Home Science |
| Faculty of Social Sciences | | |
| Dept. of Psychology | 03 | Ø ORGANIZATIONAL BEHAVIOUR / SPORTS PSYCHOLOGY AND CRIMINOLOGY |
| | 02 | Ø ORGANIZATIONAL BEHAVIOUR / APPLIED PSYCHOLOGY/ HEALTH PSYCHOLOGY |
| | 01 | Ø CLINICAL / APPLIED SOCIAL PSYCHOLOGY |
| | 02 | Ø CLINICAL PSYCHOLOGY / HEALTH PSYCHOLOGY / WOMEN STUDIES |
| | 03 | Ø SOCIAL PSYCHOLOGY |
| | 03 | Ø PERSONALITY / EXPERIMENTAL PSYCHOLOGY |
| | 03 | Ø CLINICAL PSYCHOLOGY |
| | 01 | Ø CLINICAL PSYCHOLOGY |
| | 02 | Ø ORGANIZATIONAL BEHAVIOUR |
| | Centre of Advanced Study/Dept. of History | 02 |
| 06 | | Ø Medieval India |
| 02 | | Ø Modern India |
| Centre for Women's Studies | 05 | Ø Women's Studies |
| Dept. of West Asian Studies | 02 | Ø Economic Policy, Planning & Development, Energy Economics |
| | 02 | Ø Political, Social Geography & Tourism Geography/West Asian Studies |
| | 01 | Ø West Asian Economies, Energy Economics, Trade and Finance |
| Dept. of Islamic Studies | 01 | Ø Arabian Studies |
| Dept. of Economics | 04 | Ø International Economics, Economic of Development Indian Econom |
| | 01 | Ø Public Finance, Macroeconomics, Econometrics |
| | 01 | Ø Monetary Economics, Quantitative Techniques |
| | 01 | Ø Development Economics, Economics of Education and Health |
| | 01 | Ø Rural Economics and International Trade |
| | 03 | Ø International Economics and Finance |
| | 01 | Ø International Trade, Micro-Economics |
| | 03 | Ø Agricultural Economics and Environmental Economics |
| | 02 | Ø Public Finance, Indian Economy |
| | 01 | Ø Environmental Economics, Agricultural and Gender |
| Dept. of Political Science | 06 | Ø Human Right |
| | | Ø Public Administration |
| | | Ø Political Science |

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|--|---|--|
| Dept. of Education | 01 | Ø Education of Minorities |
| | | Ø Sociological Perspective Education |
| | 02 | Ø Educational Psychology |
| | | Ø Special Education |
| | 01 | Ø Administration |
| | | Ø Information and Communication Technology (ICT) |
| | | Ø Teaching Of English |
| | | Ø Curriculum |
| | 01 | Ø Environment Education |
| | | Ø Educational Technology |
| | 01 | Ø Educational Administration |
| | 01 | Ø Educational Psychology |
| | | Ø Curriculum |
| | | Ø Teaching of History |
| | 01 | Ø Environment Education |
| | | Ø Educational Technology |
| | | Ø Curriculum Development |
| 01 | Ø Pedagogy, Planning & Finance of Education | |
| | Ø Higher Education | |
| | Ø Methods & Model of Teaching | |
| | Ø Distance Education | |
| | Ø I.C.T | |
| 01 | Ø Teacher Education | |
| 01 | Ø Special Education | |
| | Ø Guidance & Counseling | |
| 01 | Ø Teacher Education | |
| | Ø Special Education | |
| 01 | Ø Educational Technology | |
| | Ø Educational Psychology | |
| Dept. of Sociology & Social Work | 08 | M.Phil/Ph.D. (Social Work) Session 2012-13 Ø Sociology Ø Social Work |
| Dept. of Physical Health & Sports Education | 10 | Ø Sports Psychology Ø Exercise Psychology Ø Test Measurement and Evaluation Ø Sports Biomechanics Ø Sport Training Ø Kinanthropometry Ø Sport Management |
| Dept. of Mass Communication | 02 | Ø 1. TV Production 2. Communication 3. Media Research |
| | 01 | Ø 1. Print Media 2. Radio 3. History of Journalism |
| | 01 | Ø 1. Science Communication 2. Advertizing |
| | 02* | Ø 1. Media & Culture Stud. 2. Development Communication 3. Film Studies |
| | 02** | Ø 1. Corporate Communication 2. New Media 3. Print Media Studies |
| Dept. of Library & Information Science | -02 | Ø Library & Information Science (No specific areas defined \) |
| Faculty of Engg. & Tech | | |
| Dept. of Computer Engg.. | 01 | Ø AI & Soft Computing |
| | 01 | Ø Computer Networking |
| | 01 | Ø Multimedia Technology |
| Dept. of Civil Engg. | 56 | Ø Structures Engineering |
| | 13 | Ø Environmental Engineering |
| | 27 | Ø Hydraulic Structures |
| | 10 | Ø Geo-Technical Engineering |
| Dept. of Applied Physics | 02 | Ø Experimental High Energy Physics |
| | 02 | Ø Advance Materials. |

| Faculty / Department | Number of Vacancies available | Area of Specialization |
|---|--|---|
| | 02 02 03 | Ø Experimental Condensed Matter Physics Ø Molecular Modeling and Simulation of Biomolecules / Nanotechnology Ø Theoretical Condensed Matter Physics |
| Dept. of Applied Chemistry | 26 | Ø Applied Chemistry |
| Dept. of Mechanical Engg. | 03 03 02 | A. <u>THERMAL SCIENCES AND FLUID MECHANICS</u> Ø Heat Transfer, Absorption Systems Ø I.C. Engines and Combustion Engg., Solar Radiation Modelling, Molecular Dynamics B. <u>INDUSTRIAL AND PRODUCTION ENGG.</u> Ø Ergonomics Production, Manufacturing and Material Sciences Ø Solar Thermal Systems C. <u>MACHINE DESIGN.</u> Ø Dynamics and Control, Impact Mechanics |
| Dept. of Chemical Engg. | 05 | 1. Process Modeling & Simulation 2. Computer Aided Design of Process Plants 3. Boiling Heat Transfer 4. Thermosiphon Heat Transfer 5. Energy Integration and Mass Exchange Network 6. Nano-composites and Nano-materials 7. Membrane Separation 8. Industrial Pollution Control and Waste Recycling 9. Thermodynamics of Phase Equilibria 10. Hazardous Waste Management 11. Cellulose Chemistry and Technology |
| Dept. of Electrical Engg. | 07 01 | Ø Power Systems & Drives Ø Instrumentation Control |
| Dept. of Electronics Engg. | 24 25 | Ø Communication. and Information Systems Ø Electronic Circuits and Systems Design |
| Dept. of Applied Mathematics | 08 02 02 01 | Ø Special Function Fractional Calculus (6 M.Phil+ 2 Ph.D) Ø Modeling (1 M.Phil+ 1 Ph.D) Ø Graph Theory (02 M.Phil) Ø Variational Inequalities (01 M.Phil) |
| Dept. of Petroleum Studies | 01 01 | Ø Surfactant Science & Technology Ø Studies on Thermal Oxidation Process(s) in Refinery |
| Faculty of Management Studies & Research | | |
| Dept. of Business Administration | 05 01 | Ø Marketing Ø Human Resources Management (HRM) |
| Faculty of Science | | |
| Dept. of Physics | 02 01 01 02 01 02 | Ø Theoretical Nuclear & Particle Physics Ø Experimental High Energy Physics Ø Experimental Nuclear Physics Ø Atomic, Molecular and Laser Spectroscopy Ø Upper Atmospheric Physics (Magnetic Micro-Pulsations) Ø Speech Research/Electronics |
| Dept. of Geology | 05 02 03 02 02 01 01 01 01 | Ø Geochemistry, Igneous & Metamorphic Petrology Ø Hydrogeology/Environmental Geology Ø Economic Geology, Remote Sensing, Gemology Ø Economic Geology, Ore genesis, Remote Sensing and GIS Application Ø Micropaleontology Ø Structural Geology and Remote Sensing Ø Economic Geology Ø Sedimentology Ø Remote Sensing & GIS |

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|--|----------------------------------|--|
| | 02 03 01 02 01 01 | Ø Geochemistry, Igneous & Metamorphic Petrology Ø Geochemistry, Igneous & Metamorphic Petrology Ø Environmental Geology Ø Geochemistry, Igneous & Metamorphic Petrology Ø Sedimentology Ø Geochemistry, Igneous & Metamorphic Petrology |
| Dept. of Mathematics | 04 08 05 03 | Ø Algebra Ø Analysis Ø Relativity & Different Geometry Ø Special Functions |
| Dept. of Statistics & Operation Research | 01 in Ph.D | Ø Bayesian Statistics |
| Dept. of Chemistry | 01 02 01 02 | Ø Analytical Chemistry Ø Inorganic Chemistry Ø Organic Chemistry Ø Physical Chemistry |
| Dept. of Geography | 02 02 01 02 | Ø Agriculture Geography Ø Population Geography Ø Urban Geography Ø Industrial Geography |
| Faculty of commerce | | |
| Dept. of Commerce | 07 | Ø Commerce * subject to concerned teacher ? |
| Faculty of Medicine | | |
| Dept. of Biochemistry | 03 | Ø Biochemistry. |
| Dept. of Anesthesiology | 04 | Ø Airway Management & Obstetric Anaesthesia Ø Paediatric Anaesthesia Ø Critical Care & Airway Ø Airway Emergency Medicine |
| Centre for Diabetes and Endocrinology | 02 | Ø PhD (Endocrinology) |
| Dept. of TB & Respiratory Diseases | 02 | Ø TB & Respiratory Diseases |
| Dept. of Anatomy | 02 01 01 | Ø Neuroanatomy Ø Neuroanatomy Histology Ø Neuroanatomy |
| Dept. of Plastic Surgery | 03 02 03 03 03 | Ø Prevention & Management of Burns Ø Tissue Transfers (Transplantation in Plastic Surgery) Ø Congenital Anomalies Ø Maxillofacial Injuries Ø Prevention and Management of Hand Injuries |
| Dept. of Physiology | 02 | Ø Physiology |
| Dept. of Forensic Medicine | 16 | Ø Forensic Medicine & Toxicology |
| Dept. of Psychiatry | 02 01 | Ø Clinical Psychology Ø General Psychiatry |
| Faculty of Law | | |
| Dept. of Law | 02 03 04 | Ø Criminal Law Ø Family Law Ø Labour Law |

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|---------------------------------------|-------------------------------|---|---------------------|----------------------|--|
| | 03 04 02 | Ø Commercial Law Ø Constitutional Law Ø Interdisciplinary Disciplines / Environmental Law | | | |
| Faculty of Life Sciences | | | | | |
| Dept. of Wild Life Sciences | 06 | Ø Wildlife Ecology | | | |
| Dept. of Biochemistry | 01 01 | Ø Diabetes, Cancer and Oxidative stress Molecular Biology Ø Molecular Biology | | | |
| Dept. of Zoology | 03 04 05 02 03 | Ø Entomology Ø Fisheries Ø Genetics Ø Nematology Ø Parasitology | | | |
| Dept. of Botany | M.Phil | Ph.D | Total | Specialization | |
| | Nil | 03 | 03 | Plant Biotechnology | |
| | Nil | 03 | 03 | Plant Physiology | |
| | Nil | 01 | 01 | Cytogenetic | |
| | 01 | 03 | 04 | Plant Nema/Pathology | |
| | 1 | Nil | 1 | Genetics | |
| 02 | Nil | 02 | Plant Taxo/ Ecology | | |
| Inter Disciplinary Biotechnology Unit | 06 | Ø Biotechnology | | | |
| Faculty of Theology | | | | | |
| Dept. of Shia Theology | 01 | Ø Religion and Modern Issues and Disciplines. | | | |
| Dept. of Sunni Theology | 02 | Ø Hadith (02) | | | |
| | 03 | Ø Fiqh, Usool-e-Fiqh, Personal Law Muslim Women Affairs, (03) | | | |
| | 02 | Ø Tafseer, Tarikhe Mazahib (02) | | | |
| | 01 | Ø Aqaid wa Asrar-e-Shariah History of Islam (01) | | | |
| | 02 | Ø Seerat (02) | | | |