

शैक्षणिक योग्यता एवं अनुभव/ EDUCATIONAL QUALIFICATION & EXPERIENCE:

(आवेदकों की सुविधा को ध्यान में रखते हुए तथा किसी भी प्रकार की विसंगति से बचने के लिए पदों से संबंधित आवश्यक शैक्षिक योग्यता तथा अनुभव का विवरण केवल अंग्रेजी माध्यम में दिया जा रहा है।)

Professor:

Ph.D. with first class or equivalent grade at the preceding degree in appropriate branch with a very good academic record throughout and at least 10 years of teaching/research/industrial experience with published work of high quality well recognized and established reputation of having made conspicuous seminal contribution to knowledge in pharmaceutical and allied areas.

Associate Professor:

Ph.D. with first class or equivalent grade at the preceding degree in appropriate branch with a very good academic record throughout and at least 8 years of teaching/research/industrial experience with published work of high quality and an established reputation of having made seminal contribution to knowledge in pharmaceutical and allied areas.

Assistant Professor:

Ph.D. with first class or equivalent grade at the preceding degree in appropriate branch with a very good academic record throughout and at least 5 years of teaching/ research/industrial experience with published work of high quality.

PROFESSOR				
Post Code	Specialization	No. of Posts	Category	Area of expertise & Experience
F-301	Pharmacoinformatics	01	SC	Cheminformatics/ Bioinformatics/ pharmacoinformatics/ computational biology including the applications of Artificial Intelligence/Machine Learning, data analytics, proficiency in computer programming /database development in the field of biology, chemistry, pharmaceuticals, pharmacology etc. and/or expertise in Computer Aided Drug Design (CADD)/ Molecular modelling, Pharmacophore mapping, Molecular dynamic simulations with demonstrated skills in using CADD/Molecular modeling software in the applied areas of chemical, biological and pharmaceutical sciences.
F-302	Natural Products	01	EWS	Isolation, purification and characterization of natural products from medicinal plants and microbial sources using sophisticated techniques such as HPLC, LC-MS, GC-MS and NMR including 2-D NMR techniques/in-vitro and in-vivo biological evaluation of natural products/pharmacognostical identification of medicinal plants/development of Nutraceutical and Phytopharmaceutical

				products/AYUSH formulations/AYUSH pharmaceuticals of herbal drugs/AYUSH drugs/Dravyaguna and Rasasashtra.
F-303	Pharmaceutical Analysis	O1	ST	Instrumental Analysis - sophisticated hyphenated techniques (LC-MS, ICP-MS, GC-MS, NMR, etc./stability testing and impurity profiling)/bioanalytical & pharmacopeial analysis (method development and validation and PK/PD studies)/Quality Control & Quality Assurance - GLP, and a regulatory quality guidelines/Metabolite Profiling (In-vitro/in-vivo approaches for metabolite profiling)/establishing accredited labs and a strong background in regulatory guidelines.
F-304	Pharmaceutical Analysis	O1	OBC	Instrumental Analysis - sophisticated hyphenated techniques (LC-MS, ICP-MS, GC-MS, NMR, etc./stability testing and impurity profiling)/bioanalytical & pharmacopeial analysis (method development and validation and PK/PD studies)/Quality Control & Quality Assurance - GLP, and a regulatory quality guidelines/Metabolite Profiling (In-vitro/in-vivo approaches for metabolite profiling)/establishing accredited labs and a strong background in regulatory guidelines.
F-305	Pharmacology and Toxicology	O1	UR	Adequate skills in Bacteriology/ Microbiology/Pharmacology and Toxicology/ Biosafety Level 3 (BSL3)/ Biosafety Level 2 (BSL2).
F-306	Pharmaceutics	O1	UR	Pharmacokinetics/ biopharmaceutics/ drug delivery systems/ formulation developments of biologicals and biosimilars/ solid state Pharmaceutics/ pre-formulation studies/ computational Pharmaceutics/ biomaterials.
F-307	Pharmaceutics	O1	SC	Business development related to pharmaceutical or biotechnology sector/public-private partnerships/contract research/industrial liaison/management of IPR/managing of technology incubators/out-licensing of pharmaceutical technologies.
F-308	Pharmacy Practice	O1	UR	Experience in community pharmacy/ public health/pharmaceutical care/ pharmacovigilance studies/clinical therapeutics and pharmacovigilance/ professional practice of pharmacy and clinical pharmacy/ rural pharmacy/pharmacoeconomics.

F-309	Pharmaceutical Technology – Formulations	O1	OBC	Formulation development of conventional and/or novel drug delivery systems.
F-310	Biotechnology	O1	UR	Fermentation technology/ upstream and downstream processing/ handling bioreactors and fermenters/scale-up and production of protein therapeutics/ biochemical/ recombinant enzyme products.
F-311	Biotechnology	O1	UR	Experience in establishing facilities for development and screening of anti-viral or anti-bacterial agents/drug discovery and experience in handling and maintenance of viral or bacterial cultures/ cell-based screening, other relevant assays/animal models.
F-312	Biotechnology	O1	OBC	Virology/Bacteriology with documented experience in screening of anti-viral or anti-bacterial in Biosafety Level 3 (BSL3)/ Biosafety Level 2 (BSL2) set-up, handling and maintenance of viral or bacterial cultures, cell-based screening, other relevant assays/animal models to evaluate anti-viral or anti-bacterial activity of compounds/selection of viral variants by NGS and applying molecular virology techniques to advanced programs/ development of biologics and vaccines targeting viral or bacterial pathogens including respiratory viruses/ evaluating immunogenicity of vaccines/ anti-viral or anti-bacterial therapies against clinically relevant pathogens.
F-313	Medical Devices	O1	UR	Medical devices/biomedical devices/medical imaging/3D bioprinting/medical instrumentation/ biomaterials/implants/biosensors and sensing devices/implantable active drug delivery systems for various fields of medicine and dentistry-orthopaedics, cardiovascular, ophthalmic, neurological, ocular, etc/in-vitro diagnostic platforms/microfluidics/ bioengineering/Instrumentations/Electrical Engineering/Electronics/Mechanical Engineering/Biochemical Engineering/and allied areas.

ASSOCIATE PROFESSOR

Post Code	Specialization	No. of Posts	Category	Area of expertise & Experience
F-314	Medicinal Chemistry	O1	OBC	In-depth medicinal chemistry experience/organic synthesis/ expertise in any of the following therapeutic areas of drug discovery-Antibacterial/ Antiviral/ Antiparasitic/ Cardiovascular/ CNS/ Antidiabetic including diabetic complication and obesity/ designing, implementing and executing synthetic and medicinal chemistry strategies/ developing new technologies to accelerate drug discovery/ Peptide-based medicinal chemistry/ carbohydrate chemistry/Medicinal Chemistry with experience in computer-aided drug discovery/Chemo-biosynthetic and chemo-enzymatic approaches to the discovery of biologically active molecules.
F-315	Pharmacoinformatics	O1	UR	Cheminformatics/ Bioinformatics/ pharmacoinformatics/ computational biology including the applications of Artificial Intelligence/Machine Learning, data analytics, proficiency in computer programming /database development in the field of biology, chemistry, pharmaceuticals, pharmacology etc. and/or expertise in Computer Aided Drug Design (CADD)/ Molecular modelling, Pharmacophore mapping, Molecular dynamic simulations with demonstrated skills in using CADD/Molecular modeling software in the applied areas of chemical, biological and pharmaceutical sciences.
F-316	Natural Products	O1	UR	Isolation, purification and characterization of natural products from medicinal plants and microbial sources using sophisticated techniques such as HPLC, LC-MS, GC-MS and NMR including 2-D NMR techniques/in-vitro and in-vivo biological evaluation of natural products/pharmacognostical identification of medicinal plants/development of Nutraceutical and Phytopharmaceutical products/AYUSH formulations/AYUSH pharmaceuticals of herbal drugs/AYUSH drugs/Dravyaguna and Rasasashtra.
F-317	Pharmaceutical Technology –Process Chemistry	O1	OBC	Process Chemistry/Active Pharmaceutical Ingredient (API) synthesis/Flow Chemistry/Large-Scale Synthesis including

				Pilot Plant management.
F-318	Pharmaceutical Analysis	O1	UR	Instrumental Analysis - sophisticated hyphenated techniques (LC-MS, ICP-MS, GC-MS, NMR, etc./stability testing and impurity profiling)/ bioanalytical & pharmacopeial analysis (method development and validation and PK/PD studies)/Quality Control & Quality Assurance - GLP, and a regulatory quality guidelines/Metabolite Profiling (In-vitro/in-vivo approaches for metabolite profiling)/ Experience in establishing accredited labs and a strong background in regulatory guidelines.
F-319	Pharmacology and Toxicology	O1	OBC	Molecular Pharmacology and Toxicology/ Cardio Vascular Pharmacology/ Receptor Pharmacology/ Diabetes and Metabolic Disorders/ Drug Metabolism and Pharmacokinetics.
F-320	Pharmaceutics	O1	UR	Pharmacokinetics/ biopharmaceutics/ drug delivery systems/ formulation developments of biologicals and biosimilars/solid state Pharmaceutics /pre-formulation studies/ computational Pharmaceutics/ biomaterials.
F-321	Pharmacy Practice	O1	ST	Experience in community pharmacy/ public health/ pharmaceutical care/ pharmacovigilance studies/ clinical therapeutics and pharmacovigilance/ professional practice of pharmacy and clinical pharmacy/ rural pharmacy/pharmacoeconomics.
F-322	Clinical Research	O1	SC	Clinical Research/ Clinical Pharmacology/ Clinical Pharmacy/Pharmaceutical Medicine /Industry experience in clinical drug development/ capability of conducting/ managing/designing and analysis of Clinical trials/ Bioequivalence Studies/ Pharmacovigilance studies /Phase I, II, III human trials/ Clinical Data Management studies.
F-323	Pharmaceutical Technology – Formulations	O1	UR	Formulation development of conventional and/or novel drug delivery systems.
F-324	Biotechnology	O1	SC	Experimental omics-based drug discovery and development/ development of biosensors and diagnostics.
F-325	Medical Devices	O1	EWS	Medical devices/biomedical devices/medical imaging/3D bioprinting/ medical instrumentation/ biomaterials/ implants/

				biosensors and sensing devices/implantable active drug delivery systems for various fields of medicine and dentistry-orthopaedics, cardiovascular, ophthalmic, neurological, ocular, etc/in-vitro diagnostic platforms/microfluidics/ bioengineering/ Instrumentations/ Electrical Engineering/ Electronics/ Mechanical Engineering/ Biochemical Engineering/ and allied areas.
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ASSISTANT PROFESSOR

Post Code	Specialization	No. of Posts	Category	Area of expertise & Experience
F-326	Medicinal Chemistry	01	SC	In-depth medicinal chemistry experience/organic synthesis/ expertise in any of the following therapeutic areas of drug discovery- Anti-bacterial/ Anti-viral/ Antiparasitic/ Cardiovascular/ CNS/ Antidiabetic including diabetic complication and obesity/designing, implementing and executing synthetic and medicinal chemistry strategies/ developing new technologies to accelerate drug discovery/ Peptide-based medicinal chemistry/carbohydrate chemistry/ Medicinal Chemistry with experience in computer-aided drug discovery/ Chemo-biosynthetic and chemo-enzymatic approaches to the discovery of biologically active molecules.
F-327	Pharmacology and Toxicology	01	ST	Toxicology/ Pharmacology/Safety Testing/ Small Rodent Imaging techniques/ regulatory toxicological studies.
F-328	Pharmacology and Toxicology	01	UR	Virology/ Bacteriology/ Pharmacology/ Biosafety level 3 (BSL3)/ Biosafety Level 2 (BSL2)/ animal models for screening of anti-viral or anti-bacterials.
F-329	Pharmaceutics	01	EWS	Pharmacokinetics/ biopharmaceutics /drug delivery systems/ formulation developments of biologicals and biosimilars/solid state Pharmaceutics /pre-formulation studies/ computational Pharmaceutics/ biomaterials.
F-330	Biotechnology	01	UR	Bacteriologist/handling drug resistant and drug sensitive bacterial strains (such as Mycobacterium tuberculosis, ESKAPE pathogens, other BSL2/BSL3 organisms), for the set up and screening of drug testing protocols/experience in developing and

				testing anti-bacterial efficacy in small animal models for infection, awareness of CLSI guidelines for testing of anti-microbial susceptibility testing.
F-331	Medical Devices	O1	OBC	Medical devices/ biomedical devices/ medical imaging/ medical instrumentation/ biomaterials/ implants/ biosensors and sensing devices/implantable active drug delivery systems for various fields of medicine and dentistry-orthopaedics, cardiovascular, ophthalmic, neurological, ocular, etc/in-vitro diagnostic platforms/ microfluidics/ bioengineering/ Instrumentations/ Electrical Engineering/ Electronics/ Mechanical Engineering/ Biochemical Engineering/ and allied areas.
F-332	Medical Devices	O1	UR	Medical devices/ biomedical devices/ medical imaging/ medical instrumentation/ biomaterials/ implants/ biosensors and sensing devices/implantable active drug delivery systems for various fields of medicine and dentistry-orthopaedics, cardiovascular, ophthalmic, neurological, ocular, etc/in-vitro diagnostic platforms/microfluidics/ bioengineering/ Instrumentations/ Electrical Engineering/ Electronics/ Mechanical Engineering/ Biochemical Engineering/and allied areas.