

# PG FOURTH SEM. PAPER CODES

Paper Code	Paper	
<b>ARABIC</b>		
4024	ARB4C14	Modern Arab World and Contemporary Developments
4025	ARB4C15	Research Methodology
4026	ARB4C16	Novel Literature
4027	ARB4C17	Indo Arabic Literature
4028	ARB4E07	Journalistic Arabic & Translation with Computer Application
4029	ARB4E08	Commercial Arabic with Computer Application
4030	ARB4E09	Arabic DTP With Journalistic Arabic
<b>BOTANY</b>		
4097	BOT4E04	Techniques and Instrumentation
4098	BOT4E05	Seed Technology
4099	BOT4E06	Seed Pathology
4100	BOT4E07	Forest Botany
4101	BOT4E08	Crop Improvement
4102	BOT4E09	Ethnobotany
<b>BIOTECHNOLOGY</b>		
4001	BTG4C12	Medical Biotechnology
4002	BTG4C13	Environmental and Agricultural Biotechnology
4003	BTG4C14	Microbial Technology
4004	BTG4E07	Biomolecular Modeling and Drug Design
4005	BTG4E08	Nanobiotechnology
4006	BTG4E09	Diagnostic Techniques in Microbiology
<b>CHEMISTRY</b>		
4103	CHE4C11	Inorganic Chemistry III
4104	CHE4C12	Inter Disciplinary Topics and Instrumentation Techniques
4105	CHE4E05	Nanomaterial Chemistry
4106	CHE4E06	Medicinal Chemistry
<b>M Com</b>		
4390	COM4 E04	Corporate Tax Management & GST
4079	COM4E01	Security Analysis & Portfolio Management
4080	COM4E02	International Financial Management
4081	COM4E03	Financial Markets & Services
4082	COM4E04	Corporate Tax Planning & Management
4083	COM4E05	Consumer Behavior
4084	COM4E06	Advertising & Sales Management
4085	COM4E07	Services Marketing
4086	COM4E08	Logistics Management
4087	COM4E09	International Business Environment
4088	COM4E10	Foreign Trade Management
4089	COM4E11	International Banking
4090	COM4E12	International Marketing
<b>Economics / Applied Economics / Dev. Economics</b>		
4031	ECO4C14	Global Trade and Finance
4032	ECO4C15	Economics of Growth and Development II
4014	ECO4C15	Operations Research for Economic Analysis
4043	ECO4C14	International Economics-II (ECONOMICS/APPLIED ECO)

4045	ECO4E06	Project Analysis (ECO/DEV.ECO/APPL.ECO)
4046	ECO4E07	Population Studies (ECO/DEV.ECO/APPL.ECO)
4047	ECO4E08	Business Economics (ECO/DEV.ECO/APPL.ECO)
4048	ECO4E09	Health Economics (ECO/DEV.ECO/APPL.ECO)
4049	ECO4E10	Transport Economics (ECO/DEV.ECO/APPL.ECO)
4050	ECO4E11	Energy Economics (ECO/DEV.ECO/APPL.ECO)
4051	ECO4E12	Advanced Econometrics (ECO/DEV.ECO/APPL.ECO)
4052	ECO4E13	Research Methodology and Computer Application (ECO/DEV.ECO/APPL.ECO)
4053	ECO4E14	Economics of Gender and Development (ECO/DEV.ECO/APPL.ECO)
4054	ECO4E15	Mathematical Economics (ECO/DEV.ECO))
<b>Electronics</b>		
4127	ELE4C12	High Performance Communication Networks
4128	ELE4C13	VLSI Design
4129	ELE4C14	Advanced Control Systems
4130	ELE4E07	Satellite Communication
4131	ELE4E08	Real Time Systems
4132	ELE4E09	Artificial Neural Networks
<b>English</b>		
4055	ENG4C013	Indian Writings in English
4056	ENG4C014	American Literature
4345	ENG4C12	POST COLONIAL WRITINGS(2016 ADMNS. ONWARDS)
4344	ENG4C13	WOMENS WRITING (2016 ADMNS. ONWARDS)
4346	ENG4C14	Film Studies (2016 ADMNS. ONWARDS)
4347	ENG4C15	Comprehension (2016 ADMNS. ONWARDS)
<b>Geology</b>		
4136	GEO4C11	Economic Geology and Mining Geology
4137	GEO4C12	Hydrogeology
4138	GEO4E07	Coal and Petroleum Geology
4139	GEO4E08	Field Geology
4140	GEO4E09	Industrial Geology
<b>Geography</b>		
4133	GRY4C10	Geographic Information System
4134	GRY4C11	Urban Geography
4135	GRY4C12	Environmental Geography
<b>Hindi</b>		
4060	HIN4C14	Modern Hindi Novels
4061	HIN4C15	Modern Hindi Plays
4062	HIN4C16	Hindi Journalism and Media Studies
4063	HIN4E07	Hindi Language and Literature in Kerala
4064	HIN4E08	Cyber Hindi
4065	HIN4E09	Modern Hindi Poetry and Dhumil
<b>History</b>		
4057	HIS4C13	Contemporary India
4058	HIS4C14	Contemporary World
4059	HIS4C15	Historiography
<b>Kannada</b>		
4066	KAN4C13	Comparative Literature-Drama
4067	KAN4C14	Major Literary Trends in Medieval Literature -Vachana and Keerthane
4068	KAN4C15	Comparative Study of South Indian Literature
4069	KAN4C16	Footprints of Modern Literature - Short Story

<b>Malayalam</b>		
4070	MAL4C13	Kerala Culture
4071	MAL4C14	Cultural Studies
4072	MAL4C15	Dravidian Linguistics and History of Malayalam Languages
4073	MAL4C16	Other Literature
4074	MAL4C17	Thesis Writing
<b>Mathematics</b>		
4370	MAT4C15	Operator Theory (2017 Admn. Onwards)
4371	MAT4C16	Differential Geometry (2017 Admn. Onwards)
4372	MAT4E01	Commutative Algebra (2017 Admn)
4373	MAT4E02	Fourier and Wavelet Analysis (2017 Admn. Onwards)
4374	MAT4E03	Operations Research (2017 Admn. Onwards)
<b>Microbiology</b>		
4007	MBG4C12	Recombinant DNA Technology
4008	MBG4C13	Environmental Microbiology
4009	MBG4C14	Microbial Technology
4010	MBG4E07	Diagnostic techniques in Microbiology
4011	MBG4E08	Gene Therapy
4012	MBG4E09	Biomolecular Modeling & Drug Design
<b>Journalism &amp; Mass Communication</b>		
4375	MCJ4C13	Introduction to Cinema
4376	MCJ4C14	New Media and Online Journalism
4377	MCJ4E08	Technical Writing
4378	MCJ4E09	Fashion Communication
4379	MCJ4E10	Sports Journalism
<b>Computer Science</b>		
4112	MCS4E06	Digital Image Processing
4113	MCS4E07	Digital Speech Processing
4114	MCS4E08	Operations Research
4115	MCS4E09	Linux Kernel
4116	MCS4E10	Simulation and Modeling
4117	MCS4E11	Mobile Computing
4118	MCS4E12	Pattern Recognition
4119	MCS4E13	Artificial Neural Networks
4120	MCS4E14	High Performance Computing
4121	MCS4E15	Visual Cryptography
4122	MCS4E16	Linux Device Drivers
4123	MCS4E17	Data Mining
4124	MCS4E18	Natural Language Processing
4125	MCS4E19	Cyber Forensic
4126	MCS4E20	Artificial Intelligence
<b>MSW</b>		
4380	MSW4C13	Human Resource Management and Human Resource Development
4381	MSW4C14	Project Planning and Implementation
4384	MSW4C15	Women's Development
4382	MSW4C15	Labor Legislations and Labor Law Applications
4383	MSW4C15	Rural and Urban Community Development
4385	MSW4C15	Social Work in Medical and Psychiatric Setting
4386	MSW4C16	Population Dynamics and Family Planning
4387	MSW4C16	Therapeutic Information for Social Workers
4388	MSW4C16	Development Communication and Education for Development

4389	MSW4C16	Organizational Behaviour, Development and Change
<b>MTTM (OLD)</b>		
4091	MTT4C14	Corporate Event Management
4092	MTT4C15	Leisure and Recreation Management
4093	MTT4C16	Tourism and Society
4094	MTT4E10	Managing Integrated Resorts
4095	MTT4E11	Spa Operations
4096	MTT4E12	Culinary Arts
<b>PHILOSOPHY</b>		
4075	PHI4C13	Philosophy of Mind
4076	PHI4C14	Contemporary Continental Philosophers
4077	PHI4C15	Renaissance Philosophers of Kerala
4078	PHI4E04	Methodology of Philosophical Studies and Research
<b>PHYSICS</b>		
4147	PHY4C14	Optics
4148	PHY4C15	Numerical Techniques & Probability
4149	PHY4E06	Optoelectronics
4150	PHY4E07	Astrophysics
4151	PHY4E08	Electronic Instrumentation
4152	PHY4E09	Communication Electronics
4153	PHY4E10	Condensed Matter Physics
4154	PHY4E11	Nano science and Technology
4155	PHY4E12	Experimental Techniques
<b>COUNSELLING PSYCHOLOGY</b>		
4108	PSY4C12	Practicum
4107	PSY4C12	Counselling in special settings
4391	PSY4E02	SCHOOL COUNSELLING
4110	PSY4E03	Child & Adolescent Counselling
4111	PSY4E03	School Counselling
4109	PSY4E03	Bio Psychology
<b>STATISTICS</b>		
4156	STA4C14	Official Statistics
4158	STA4E02	Statistical Decision Theory
4159	STA4E02	Statistical Quality Assurance
4160	STA4E03	Actuarial Statistics
4163	STA4E03	Lifetime Data Analysis
4161	STA4E03	Biostatistics
4164	STA4E03	Statistics Using SAS
4157	STA4E04	Econometrics
4162	STA4E08	Demography
<b>ZOOLOGY</b>		
4165	ZOO4C12	Biotechnology and Bioinformatics
4166	ZOO4E02	Protozoology Medical and Veterinary Entomology
4168	ZOO4E02(B)	INSECT PHYSIOLOGY
4167	ZOO4E03	Physiology Biochemistry and Genetics of Parasites
4169	ZOO4E03(B)	AGRICULTURAL, MEDICAL & FORENSIC ENTOMOLOGY
<b>NEW GENERATION PROGRAMMES</b>		
<b>CHEMISTRY</b>		
4432	CHD3&4P.04	Inorganic Chemistry Practical - II (New Gen.)

4433	CHD3&4P.05	Organic Chemistry Practical - II (New Gen.)
4434	CHD3&4P.06	Physical Chemistry Practical - II (New Gen.)
4430	CHD4C.11	Inorganic Chemistry III (New Gen.)
4431	CHD4C.12	Inter Disciplinary Topics and Instrumentation Techniques (New Gen.)
4436	CHD4C13	Viva Voce (General) (New Gen.)
4428	CHD4E.05	Drug Chemistry And Drug Design (New Gen.)
4429	CHD4E.06	Medicinal Chemistry (New Gen.)
4435	CHD4Pr	Project (New Gen.)
<b>GOVERNANCE &amp; POLITICS</b>		
4401	GAP4C13	Polity and Governance in Kerala (New Gen.)
4402	GAP4C14	Issues in International Politics and Governance (New Gen.)
4403	GAP4C15	India and the World (New Gen.)
4405	GAP4C17	Course Viva-Voce (New Gen.)
4404	GAP4Pr16	Project (New Gen.)
<b>MATHEMATICS</b>		
4437	MAF4C15	Financial Risk Management (New Gen.)
4438	MAF4C16	Modelling & Simulation (New Gen.)
4439	MAF4E01	Operator Theory (New Gen.)
4440	MAF4E02	Differential Geometry (New Gen.)
4441	MAF4E03	Operations Research (New Gen.)
4442	MAF4Pr01	Project Work (New Gen.)
4443	MAF4V01	Viva-Voce (New Gen.)
<b>COMPUTER SCIENCE WITH AI</b>		
4416	MCS4C18	Soft Computing Techniques (New Gen.)
4417	MCS4C19	Machine Learning (New Gen.)
4418	MCS4C20	Deep Learning (New Gen.)
4419	MCS4C21	General Viva Voce (New Gen.)
4420	MCS4Pr04	Project (New Gen.)
<b>MTTM</b>		
4411	MTTM4C13	Digital Transformation in Tourism (New Gen.)
4412	MTTM4C14	Destination Planning and Development (New Gen.)
4413	MTTM4C15	Internship and Destination Visit (New Gen.)
4415	MTTM4C16	Comprehensive Viva Voce (New Gen.)
4414	MTTM4CPr01	Project / Dissertation (New Gen.)
<b>PHYSICS</b>		
4421	PHYCN4C15	Optics (New Gen.)
4425	PHYCN4C16	Scientific Documentation and Presentation (New Gen.)
4427	PHYCN4C17	General VivaVoce (New Gen.)
4422	PHYCN4E01	Crystal Growth, Thin Films and Characterization (New Gen.)
4423	PHYCN4E02	Nano Optics (New Gen.)
4424	PHYCN4E03	Advanced Computational Physics (New Gen.)
4426	PHYCN4Pr01	Project Work and Field Visit (New Gen.)
<b>PLANT SCIENCE</b>		
4453	PSB4E01	Applied Botany (New Gen.)
4454	PSB4E02	Horticulture and Mushroom Cultivation (New Gen.)
4455	PSB4E03	Bioethics, Biosafety and Intellectual Property Rights (New Gen.)
4456	PSB4E04	Plant Tissue Culture (New Gen.)
4457	PSB4E05	Phytoresources, Phytochemistry and Pharmacognosy (New Gen.)
4458	PSB4E06	Agricultural Ecology (New Gen.)
4459	PSB4E07	Programming for Bioinformatics (New Gen.)

4460	PSB4P03	Practical III : Angiosperm Morphology, Systematics, Plant Physiology and Biochemistry (New
4461	PSB4P04	Practical IV: Basic Bioinformatics, Structural Bioinformatics and Elective 1 and 2 (New Ge
4462	PSB4P05	Project / Dissertation (New Gen.)
4463	PSB4P06	General / Course Viva Voce (New Gen.)
<b>SOCIAL SCIENCE</b>		
4406	SSH4-C16	Historical Transformation in India III (1750-1947) (New Gen.)
4407	SSH4-C17	History of Contemporary India (1947-2000) (New Gen.)
4408	SSH4-C18	Contemporary Kerala And Developmental Experiences (New Gen.)
4409	SSH4-C19	The History of Contemporary World (New Gen.)
4410	SSH4-C20	Project Work (New Gen.)
<b>ZOOLOGY</b>		
4447	ZNG3&4P04	Animal Physiology (New Gen.)
4448	ZNG3&4P05	Developmental Biology. Histology & Histochemistry (New Gen.)
4449	ZNG3&4P06	Systematics, Physiology, Development & Animal Interactions (New Gen.)
4450	ZNG3&4P07	Personal Collection Related to Elective Subject (New Gen.)
4451	ZNG3&4Pr.0	Project/Dissertation (New Gen.)
4452	ZNG4 C 13	Viva-voce (New Gen.)
4444	ZNG4C12	Biotechnology and Bioinformatics (New Gen.)
4445	ZNG4E02	Animal Systematics and Species Interactions (New Gen.)
4446	ZNG4E03	Molecular Developmental Biology (New Gen.)