

CENTRAL UNIVERSITIES COMMON ENTRANCE TEST (CUCET) – 2020

Programmes and Eligibility

TWO-YEAR MASTERS AND PH.D. PROGRAMMES AT CENTRAL UNIVERSITY OF JHARKHAND, RANCHI

Ph.D. PROGRAMMES Minimum Eligibility Criteria

Candidates for admission to the Ph. D. programme shall have a Master's Degree or a Professional Degree in a relevant area declared equivalent to the Master's Degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.

A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled and other categories of candidates as per the decision of the UGC from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.

Candidates possessing a degree considered equivalent to M.Phil. Degree of an Indian Institution, from a Foreign Educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions, shall be eligible for admission to Ph.D. programme.

***The number of seats may change depending on the availability of faculty/ specialization.**

***UGC-NET/UGC-CSIR NET/SLET/GATE/M.Phil./or, any other national level fellowship test qualified students need not appear the CUCET-2020, but have to get registered through CUCET-2020**

***PhD. candidates will be provided UGC research fellowships by the university in case they are not receiving any financial assistance from funding agencies.**

Sl No	Degree	Department	Subject	Eligibility	Intake
1.	Ph.D.	Contemporary & Tribal Customary Law	Tribal and Customary Law	<p>Post Graduate degree in Law / Anthropology / Sociology / Public Administration / Human Rights / Social Work / Tribal Law and Governance or any other related discipline with 55% marks or equivalent grade/CGPA. Relaxation to reserved category applicants as per CUJ norms.</p> <p>Specialization :</p> <p>a) 01 seat - International Law / Legal Theory relating to tribal/indigenous people(s)</p> <p>b) 01 seat - Tribal Rights / Tribal Health</p> <p>c) 01 seat - Tribal Customary Law / Tribal Governance / Tribal Education</p>	03
2.	Ph.D	Transport Science & Technology	Ph.D. in Transport Science and Technology	<p>i. Master Degree (M.E/M.Tech) in Geotechnical Engineering, Transport Engineering, Civil Engineering, Environmental Engineering and Environment Science & Engineering.</p> <p>ii. Master Degree (M.Sc.)in Environmental Sciences, Water Resource Management, Geoinformatics, Geology.</p> <p>iii. Master Degree (M.E/M.Tech) with a minimum Cumulative Grade Point Average (CGPA) 5.50 on a 10 point scale, or 55% Marks for UR category, for OBC/SC/ST or PWD candidates the minimum CGPA requirements may be relaxed to 5.00 on a 10 point scale or to 50% marks.</p> <p>OR</p> <p>iv. Master Degree (M.Sc.) 5.50 on a 10 point scale or 55% marks for UR category. For OBC/SC/ST or PWD candidates the minimum CGPA requirement may be relaxed to 5.00 on a 10 point scale or to 50% marks</p> <p>Specialization :</p> <p>i. Industrial Waste Water Treatment.</p> <p>ii. Microbial Engineering</p>	04

				iii. Bioremediation iv. Phytoremediation v. Biofuel vi. Watershed Management vii. Soil modification and Ground Improvement viii. Pavement Geotechniques ix. Reinforced soil and earth structures x. Modeling of offshore and onshore foundations.	
3.	Ph.D.	Computer Science & Technology	Computer Science & Technology	Masters degree with minimum 55% Marks in Information Technology, Computer Science, Computer Engineering and Computer Applications.	02
4.	Ph.D.	Commerce & Financial Studies	Commerce	At least 55% marks in M.Com.	11
5.	Ph.D.	Mathematics	Mathematics	Master or M.Phil Degree in Mathematics/Applied Mathematics or equivalent	3
6.	Ph.D.	Far East Languages	Tibetan Language & Culture	Master's degree in Tibetan Language & Literatures, Tibetan Studies, Tibetan Buddhist Studies, Himalayan Studies. Specialization : Tibetan Language, Literature and Tibetan Buddhist Studies.	2
7.	Ph.D.	Hindi	Hindi	MA in Hindi Specialization : Poetry, Drama, History of Literature, Prose.	3
8.	Ph.D.	Politics & International	Politics & International	MA in Social Sciences and allied subjects	8

		Relations	Relations		
9.	Ph.D.	Mass Communication	Mass Communication	Master degree in Communication/ Mass Communication/ Journalism/ Electronic Media/ Media/Film/Advertising/Public Relations/ New Media/ Development Communication	4
10.	Ph.D.	Chemistry	Chemistry	M.Sc. in Chemistry	8
11.	Ph.D.	Geoinformatics	Geoinformatics	55% marks in aggregate in (A) M.Tech/ M.Sc degree in Geoinformatics/ Remote Sensing/ GIS/ Geomatics OR (B) Master or equivalent degree in Geography, Environmental Sciences/ Forestry/ Chemistry/ Physics/ Geology/ Geophysics/ Mathematics/ Oceanography/ Agriculture/ Atmospheric Sciences/ Climatology/ Information Science/ Computer Science/ Disaster Management/ Electronics/ Town Planning/ Botany/ Zoology along with at least PG Diploma in RS & GIS.	10
12.	Ph.D.	English	English	Masters in English Literature, Women Studies, Comparative Literature, ELT, Linguistics, Theatre, Film Studies	5
13.	Ph.D.	Physics	Physics	Masters degree or M.Phil in Physics/Applied Physics Areas of Specialization: Nanophotonics, Photonic Crystals, Photonics Devices, Optical Soliton Propagation, Experimental Nuclear Physics, Theoretical high energy physics, Experimental condensed matter physics, semiconductor devices, Nuclear detectors, Defect studies	24
14.	Ph.D.	Education	Education	Master's Degree in Education/M.Ed. degree with 55% marks Specialization: Any area in Education.	6

15.	Ph.D.	Nano-Science & Technology	Nano-Science & Technology	Master Degree (M.E./M. Tech./Integrated M. Tech.) with a minimum 60% marks for UR (55% marks in case of candidates belonging to reserved category, i.e, SC/ST/OBC/PWD) in Material Science and Engineering, Nanoscience and Nanotechnology/ Nanotechnology/ Mechanical Engineering/ Chemical Engineering/Electrical Engineering/ Ceramic Engineering/ Metallurgical and Materials Engineering/Electronics Engineering/ Nanoscience and Technology/Biotechnology or other relevant branch of Engineering & Technology OR ii) Master degree (M.Sc.) with a minimum 55% marks for UR (50% marks in case of candidates belonging to reserved category, i.e, SC/ST/OBC/PWD) in Nanoscience/Nanoscience and Technology/Chemistry/ Physics/ Material Sciences/ Life Sciences/ M. Pharm./ Applied Sciences/Biotechnology or allied subjects	8
16.	Ph.D.	Tribal Studies	Tribal Studies	Masters in Anthropology, Folklore, Cultural Studies, Linguistics with 55% marks	7
17.	Ph.D	Life Sciences	Life Sciences	M.Sc. In Life Science/ Bio Science/Botany/Plant Sciences/ Animal Sciences/Zoology/Biotechnology/Biochemistry/ Microbiology/ Available Specialisation are: Plant Molecular Biology/ Plant Biochemistry/Plant Stress Biology (1 seat), Animal Molecular Biology (Cell Biology/ Genetics/ Biochemistry) (1 seats)	2
18.	Ph.D.	Performing Arts	Music	M.P.A./M.Mus./M.A. in Music or Master's degree in allied subject and having passed any one of the following programmes: B. (Mus.)/ <i>Sangeet Visharad/ Prabhakar/ Sangeet Vid</i> or equivalent qualification	2
			Theatre Arts	Post Graduate in Theatre Arts (MPA Theatre Arts) with 55% Marks	2
19.	Ph.D	Energy Engineering	Energy Engineering	M.E/ M.Tech in Energy Engineering, Mechanical, Electrical, Electronics, Chemical Engineering, Engineering Physics, Nanoscience and Nanotechnology, Materials Science or equivalent with minimum 60 % in aggregate or equivalent	7

				CGPA OR M.Sc in Physics, Chemistry, Nanoscience and Nanotechnology, Materials Science or equivalent with minimum 55 % in aggregate or equivalent CGPA.	
20.	Ph.D.	Environmental Sciences	Environmental Sciences	<p>M.Sc. / M.Tech. / M.Sc. (Tech.) / M.Sc. or M.Phil. in Environmental Sciences & Sustainable Development, Earth & Atmospheric Sciences, Life Sciences, Remote Sensing and GIS, Environmental Chemistry, or in a cognate / allied subject Areas of Specialization: Atmospheric Sciences/Meteorology and related branches, Plant Ecology, Conservation Biology, Plant-Soil interaction, Agricultural Green House emission and mitigation, Environmental Soil Sciences, Renewable Energy, Biofuels, Biodiesel, Biotechnology</p> <p>Specialization :</p> <p>Atmospheric Sciences, Climatology and Meteorology, Land surface processes, micrometeorology (04)</p> <p>Plant Ecology & Forestry (03)</p> <p>Agricultural Green House emission, Agricultural Environmental Sciences (02)</p> <p>Renewable Energy, Biofuels, Biodiesel (01)</p>	10
21.	Ph.D.	Business Administration	Management	<p>Master degree in Management at least with 55% marks i.e. MBA with 55% or equivalent grade/CGPA.</p> <p>Research Area- Marketing, HRM, Finance, Strategic Management, Operations Management, Entrepreneurship, General Management.</p>	8
			Economics	MA/M.Sc. in Economics with 55% marks or equivalent grade/CGPA.	1
21.	Ph.D.	Geography	Geography	Master degree in Geography with 55% marks or equivalent grade/CGPA.	1

22.	Ph.D.	Public Administration	Public Administration	Master degree in Public Administration/Political Science/Law and Governance with 55% marks or equivalent grade/CGPA.	1
23	Ph.D.	Water Engineering and Management	Water Engineering and Management	<p>M.Tech in Civil Engineering/Agriculture Engineering/ Environmental Engineering/Hydrology/Water Resources/Irrigation and Drainage Engineering/Soil and Water Conservation Engineering/ Water Science & Technology or Int. M.Tech in Water Engineering & Management with 55% Marks in aggregate or equivalent CGPA.</p> <p>Area of Specialization: Slope Stability analysis/Ground improvement/Environmental Geo-technology and Earthquake Geotechnical Engineering, Hydrological Modeling/Irrigation System Management/Soft Computing/ Urban Flood Modeling and Management/Watershed Management, Optimal Reservoir Operation, Flood Hazard Planning and Management, Flood Forecasting, Hydrological Modeling of Watershed, Remote sensing and GIS Applications in Hydrology and water resources planning and management. And Data Mining, Soft Computing Methods in Hydrology, Climate Change and Climate Variability, Climate Change impacts on Water Resources, Drought Assessment, Application of RS and GIS in the field of Watershed Management.</p>	2