

## 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 19<sup>th</sup> 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><b>Specialization :</b></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 &amp; 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><b>Specialization :</b></p> <p>i. Industrial Waste Water Treatment.</p> <p>ii. Microbial Engineering</p>	04

				<ul style="list-style-type: none"> <li>iii. Bioremediation</li> <li>iv. Phytoremediation</li> <li>v. Biofuel</li> <li>vi. Watershed Management</li> <li>vii. Soil modification and Ground Improvement</li> <li>viii. Pavement Geotechniques</li> <li>ix. Reinforced soil and earth structures</li> <li>x. Modeling of offshore and onshore foundations.</li> </ul>	
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	<p>Master's degree in Tibetan Language &amp; Literatures, Tibetan Studies, Tibetan Buddhist Studies, Himalayan Studies.</p> <p><b>Specialization :</b></p> <p>Tibetan Language, Literature and Tibetan Buddhist Studies.</p>	2
7.	Ph.D.	Hindi	Hindi	<p>MA in Hindi</p> <p><b>Specialization :</b></p> <p>Poetry, Drama, History of Literature, Prose.</p>	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	
14.	Ph.D.	Education	Education	Master's Degree in Education/M.Ed. degree with 55% marks  <b>Specialization:</b>  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 &amp; Sustainable Development, Earth &amp; 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><b>Specialization :</b></p> <p>Atmospheric Sciences, Climatology and Meteorology, Land surface processes, micrometeorology (04)</p> <p>Plant Ecology &amp; 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.	2

22.	Ph.D.	Public Administration	Public Administration	Master degree in Public Administration/Political Science/Law and Governance with 55% marks or equivalent grade/CGPA.	2
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 &amp; Technology or Int. M.Tech in Water Engineering &amp; 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

**Two- Year Masters Programmes**  
**Minimum Eligibility Criteria**

- A. Science and Education: Minimum 55% marks in qualifying degree for general category and 50% marks for SC/ST/OBC (Non Creamy Layer)/ PWD candidates or equivalent grade.
- B. Arts, Humanities and Social Sciences, Technology & Management: Minimum 50 % marks in qualifying degree for general category and 45% marks for SC/ST/OBC (Non Creamy Layer)/PWD candidates or equivalent grade.
- C. Performing Arts & Tribal Studies: Minimum 45% marks in qualifying degree for general category and 40% marks for SC/ST/OBC (Non Creamy Layer)/PWD candidates or equivalent grade.
- D. **CAT/GATE qualified students with valid CAT/GATE Score need not appear the CUCET-2020.** The GATE qualified students will not be provided any fellowship from the university. The GATE fellowships will have to be obtained from funding agencies.

Sl No	Degree	Department	Subject	Eligibility	Intake
1.	M.S.W.	Contemporary and Tribal Customary Law	M.S.W. (Social Work with specialization in Tribal Welfare & Justice	Bachelor degree or equivalent in any discipline with 50% marks or equivalent grade/CGPA. Relaxation to reserved category applicants as per CUJ norms.	22
	LLM		LL.M (specialization in Tribal and Customary Law/ Human Rights)	LL.B. degree (recognized by Bar Council of India) with 50% marks or equivalent grade/CGPA. Relaxation to reserved category applicants as per CUJ norms.	22
2.	M. Tech	Transport Science and	Transportation Engineering	Candidates with B.Tech/BE in Civil Engineering degree will be eligible for admission in the M.Tech. Course. Obtained at least 50% marks (45%	31 (50% seat



		Technology		in case of candidate belonging to reserved category, i.e. SC/ST/OBC/PWD) in the qualifying Examination. GATE qualified student will get the fellowship as per UGC/AICTE norms.	filled by CUCET and 50% by GATE score)
3.	M.Tech	Computer Science & Technology	Computer Sciences and Technology	Minimum 55% Marks in Bachelor's degree in Engineering / Technology (IT/CS/CSE )  OR  An equivalent degree in an appropriate area  OR  M. Sc (Computer Science/ Information Technology)  OR  MCA.  (Relaxation as per the GoI norms)	31 (filled by Gate Score)
4.	M.Com	Commerce & Financial Studies	Commerce	B.Com, BBA or BBS with at least 50% marks in graduation (for SC & ST at least 45% marks)	44
5.	M.Sc.	Mathematics	Mathematics	Bachelors Degree in Mathematics/Statistics (but should have studied Mathematics in all the three years.)	44
6.	M.A.	Far East Languages	Tibetan	Graduation in any discipline from a recognized Institute/College/University with 50% marks or equivalent grade/CGPA. Relaxation to reserved category applicants as per the Govt. of India norms. However, the candidates is required to have basic knowledge of	15

				Tibetan Languages	
7.	MBA	Business Administration	Business Administration	<p>Bachelor's Degree with minimum 50% marks or Equivalent CGPA (45% for SC/ST/PWD candidates).</p> <p>The Admission will be based on merit of entrance examination score, group discussion and personal interview.</p>	<p>66 (40 seat through CAT 2019 and 26 through CUCET)</p> <p>Vacant seat may be interchanged</p>
8.	M.Tech.	Water Engineering & Management	Water Engineering & Management	B.Tech. in Civil/Agricultural Engineering	31 (50% seat filled by CUCET and 50% by GATE score)
9.	M.A.	Hindi	Hindi	Bachelor's Degree in Hindi (Hons.) or should have studied Hindi as a subject in Bachelor's Degree in Arts/Humanities/Commerce. The candidates must have secured at least 50% in Bachelor's as well as in Hindi subject.	22
10.	M.A.	English Studies	English	Bachelor's in. English Literature	44
11.	M.A.	Politics and International Relations	Political Sciences with specialization in	Bachelor's Degree in any subject/s	31

			International Relations		
12.	M.A.	Mass Communication	Mass Communication	Eligibility Criteria - Bachelor's Degree in any discipline with minimum 50% marks for general category and 45% marks for SC/ST/OBC(Non-Creamy Layer)/PWD candidates	40
13.	M.Sc.	Chemistry	Chemistry	Graduate in science with a minimum of 55% marks (50% for SC/ST) Chemistry as honours or major subject and must have mathematics at the +2 level	44
14.	M.Sc.	Geoinformatics	Geoinformatics	Bachelors (Hons/Major) in Environmental Science/ Forestry/ Geography/ Chemistry/ Physics/ Geology/ Geophysics/ Mathematics/ Oceanography/ Agriculture/ Atmospheric Science/ Climatology/ Information Science/ Computer Science/ Disaster Management / Electronics/ Town Planning/ Botany/ Zoology and allied disciplines.	31
15.	M.Sc.	Physics	Physics	1. Bachelors degree with Physics as a Major/ Honours subjects 2. The student must have Physics and Mathematics at the +2 Level.	44
16.	B.Ed.	Education	Education	50% marks either in Bachelor's Degree and /or in the Master's Degree in Sciences/Social Sciences/Humanity, Bachelor's in Engineering or Technology with specialization in Science and Mathematics with 55% marks or any other qualification equivalent thereto are eligible for admission to the Bachelor of Education Programme.	110
17.	M.Tech.	Nanoscience and Technology	Nanoscience and Technology	Bachelor's Degree with a minimum of 50% marks for UR (45% 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	31 (50% seat filled by CUCET and

				and Materials Engineering/Electronics Engineering/ Nanoscience and Technology/Biotechnology or other relevant branch of Engineering & Technology or M Sc. with a minimum of 55% marks for UR (50% 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 oher allied subjects.	50% by GATE score)
18.	M.A.	Tribal Studies	Anthropology & Tribal Studies	A bachelor's degree with 45% marks (40% for EWS,OBC,SC,ST,PwD) is the minimum eligibility. Those in final years/semesters of graduation can also apply.	12
	M.A.		Folklore	A bachelor's degree with 45% marks (40% for EWS,OBC,SC,ST,PwD) is the minimum eligibility. Those in final years/semesters of graduation can also apply.	12
	M.A.		Rural & Tribal Development	A bachelor's degree with 45% marks (40% for EWS,OBC,SC,ST,PwD) is the minimum eligibility. Those in final years/semesters of graduation can also apply.	12
19.	M.Sc.	Life Sciences	Life Sciences	B.Sc. from a recognized university under +3 system with Honors. Or Major or one subject in all 3years of study in Zoology/ Botany/ Biochemistry/ Microbiology/ Life Sciences/ Biosciences/Biotechnology/ Biology/Genetics/Agricultural Sciences/Plant sciences/ Animal Sciences.	44
20.	MPA	Performing Arts	Vocal Music	BPA/B.Mus./BA (Music)/B.A. (Any Discipline with Diploma/ <i>Prabhakar/ Sangeet Visharad</i> or equivalent Weightage 60% to written exam and 40% to practical (audition). Note: Selection will be done on the basis of audition along with the entrance examination	11

	MPA		Theatre Arts	Bachelor degree in any discipline. Weightage 60% to written exam and 40% to practical (audition). Note: Selection will be done on the basis of audition along with the entrance examination	11
21.	M.Tech	Energy Engineering	Energy Engineering	B.E/ B.Tech in Energy Engineering, Mechanical, Electrical, Electronics, Chemical Engineering, Chemical science and Technology, Engineering Physics, Nanoscience and Nanotechnology, Materials Science or equivalent with minimum 60 % in aggregate or equivalent CGPA OR M.Sc in Physics, Chemistry, Materials science, Nanoscience and Nanotechnology or equivalent with minimum 55 % in aggregate or equivalent CGPA	31
22.	M.Sc.	Environmental Sciences	Environmental Sciences	Any Graduate with Science/B.Tech/B.E. in any discipline of Environmental Sciences and its allied subjects such as Agricultural / Forestry / Earth Sciences/ Biological Sciences etc.	28
23.	MA/M.Sc.	Geography	Geography	B.A. (Hons)/B.Sc. (Hons) in Geography or B.Sc. degree in Geology/Earth Science/Environmental Science/Climatology/Oceanography/Geoinformaticss/Statistics/Economics/Population/Agriculture	31
24.	MA	Public Administration	Public Administration	B.A./B.Sc. in any subjects.	31

**Three- Year Bachelor's Programmes  
Minimum Eligibility Criteria**

Sl No	Degree	Department	Subject	Eligibility	Intake
1.	Bachelor's of Arts (Hon's)	Far East Languages	Korean	<p>a) 55% marks in 12th or equivalent exam for General Category &amp; 50% for SC/ST/OBC(non-creamy layer)</p> <p>b) At least 65% in English in 12th or equivalent exam for General Category &amp; 60% for SC/ST/OBC (non-creamy layer)</p>	15
2.	Bachelor's of Arts (Hon's)	Far East Languages	Chinese	<p>a) 55% marks in 12th or equivalent exam for General Category &amp; 50% for SC/ST/OBC (non-creamy layer)</p> <p>b) At least 65% in English in 12th or equivalent exam for General Category &amp; 60% for SC/ST/OBC (non-creamy layer)</p>	31