

PANJAB UNIVERSITY CHANDIGARH



(Established under the Panjab University Act VII of 1947 Enacted
by the Government of India)

M.PHIL. & PH.D. -2021 ENTRANCE
TEST TO BE HELD ON 31-10-2021
(Sunday)

**Last date for submission of information on the website to
generate the Bank Challan: 12-09-2021 (Sunday)**

Website: <http://phdadmissions.puchd.ac.in>

FEE (Non-refundable):
General Category Rs. 2175/-
SC/ST/PwD Category Rs. 1088/-

PANJAB UNIVERSITY ANTHEM

<p>तमसो मा ज्योतिर्गमयः तमसो मा ज्योतिर्गमयः तमसो मा ज्योतिर्गमयः तमसो मा ज्योतिर्गमयः पंजाब विश्वविद्यालय तेरी शान-ओ-शौकत सदा रहे मन में तेरा आदर मान और मोहब्बत सदा रहे पंजाब विश्वविद्यालय तेरी शान-ओ-शौकत सदा रहे तू है अपना भविष्य विधाता पंख बिना परवाज़ सिखाता जीवन पुस्तक रोज़ पढ़ा कर सही गलत की समझ बढ़ाता जीवन पुस्तक रोज़ पढ़ा कर सही गलत की समझ बढ़ाता तेरी जय का शंख बजायें रौशन तारे बन जायें वखरी तेरी शोहरत तेरी शोहरत सदा सदा रहे पंजाब विश्वविद्यालय तेरी शान-ओ-शौकत सदा रहे पंजाब विश्वविद्यालय तेरी शान-ओ-शौकत सदा रहे तमसो मा ज्योतिर्गमयः तमसो मा ज्योतिर्गमयः</p>	<p>Tamso ma jyotirgamaya Tamso ma jyotirgamaya Tamso ma jyotirgamaya Tamso ma jyotirgamaya Panjab vishaw vidyalaya Teri shaan-o-shauqat sada rahe Mann mein tera aadar maan Aur mohabbat sada rahe Panjab vishaw vidyalaya Teri shaan-o-shauqat sada rahe Tu hai apna bhavishya vidhata Pankh bina parwaaz sikhata Jeevan pustak roz padha kar Sahi galat ki samajh badhata Jeevan pustak roz padha kar Sahi galat ki samajh badhata Teri jai ka shankh bajayein Roshan tare ban jaayein Vakhari teri shohrat Teri shohrat sada sada rahe Panjab vishaw vidyalaya Teri shaan-o-shauqat sada rahe Panjab vishaw vidyalaya Teri shaan-o-shauqat sada rahe Tamso ma jyotirgamaya Tamso ma jyotirgamaya</p>
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IMPORTANT DATES / INFORMATION FOR ENTRANCE TEST-2021

Date of availability of M.Phil. & Ph.D. Prospectus and Online Entrance Test Form on the website of Panjab University, Chandigarh	26-07-2021 (Monday)
Last date for submission of information on the website to generate the Bank Challan	12-09-2021 (Sunday)
Last date for deposit of fee in any branch of State Bank of India using website generated challan	15-09-2021 (Wednesday) upto 3:59 p.m.
Last date for submission of fee through Online Mode	15-09-2021 (Wednesday)
Last date for uploading of photograph, signature with rest of the information on the website	18-09-2021 (Saturday)
Final date by which Roll No. Will be available online Roll No. And Centre of Examination will be generated and Roll No. Slip required to be downloaded from the website by the candidate using their own Login and Password (provided while generating Bank Challan). There will be no physical communication for this purpose.	24-09-2021 (Friday)
Candidates who have not completed their form but have paid their requisite fee, can complete their form by paying (from 10:00 a.m. to 4:00 p.m.) late fee of Rs. 500/-	30-09-2021 (Thursday)
Date of Holding Entrance Test	31-10-2021 (Sunday)
Uploading of Answer Key and inviting Objections (through e-mail to arcet@pu.ac.in)	16-11-2021 (Tuesday)
Last day of submission of objections to the Answer key	18-11-2021 (Thursday)
Uploading of the response to the Objections and inviting Cross-objections (through e-mail only)	23-11-2021 (Tuesday)
Last day of submission of Cross-objections to the Answer key	25-11-2021 (Thursday)
Date of declaration of result	16-12-2021 (Thursday) The result will be posted on the P.U. website and the same could be downloaded. No separate result cards will be issued to the candidates by the office.
Centre for Entrance Test	Chandigarh Only

DATE SHEET		
Date & Day	Paper	Time
31-10-2021 (Sunday)	Paper-I (Objective type)	10.00 a.m. – 11.00 a.m.
	Paper-II (Subjective type)	11.30 a.m. – 1.30 p.m.

Faculty members are available in the respective Departments for consultation and guidance of students from 3:00 P.M to 4:00 P.M on working days.

IMPORTANT NOTES

1. The Fee for M.Phil. & Ph.D. Entrance Test is Rs. 2175/- (Rs. 1088/- for SC/ST/PwD). The fee for the Entrance Test, once paid, shall not be refunded.
2. Class B/C Regular Employee of PU must send the copy of printout of their Entrance Test Form along with Performa for claiming 50% concession to P.U. Regular Employees ("B" and "C" Class) duly signed by Head/Chairperson to **Assistant Registrar, CET Cell, Aruna Ranjit Chandra Hall, Panjab University, Chandigarh-160014** by registered post/speed post or by hand on or before **22-09-2021 (Wednesday)** upto 4:00 p.m.
3. Only the candidates, who have passed or are appearing in the qualifying examination for a particular Course can apply for the Entrance Test.
4. The Syllabus for M.Phil. & Ph.D. Entrance Examination will be as prescribed for Master's Degree or equivalent classes of Panjab University in the relevant subject.
5. **Special arrangements for amanuensis (writer of Answer):**
A candidate may be allowed help of an amanuensis (writer) if he/she is:
 - (i) Blind
OR
 - (ii) Permanently disabled from writing with his/her own hand.
 - (iii) Temporarily disabled from writing on account of fracture of the right or left arm, forearm or dislocation of a shoulder elbow or wrist etc. The candidate shall produce a certificate from a Professor of the speciality concerned of a Medical College and where there is no Medical College, from the Chief Medical Officer of the District concerned to the effect that the candidate is unable to write his/her Answer-books because of the temporary disablement.
6. 20 minutes extra per hour would be given to the visually handicapped / PwD candidates for each paper.
7. Candidates securing equal marks shall be bracketed together. Their **inter-se** merit will be determined by the Institution in accordance with the following criteria:
 - (i) A candidate getting higher percentage of marks in the qualifying examination shall rank higher in order of merit.
 - (ii) That if the marks in qualifying examination are also the same then the candidates obtaining more marks in the immediate lower examination, shall rank higher in order of merit.
 - (iii) That if two or more candidates secure equal marks in (i) & (ii) above, candidate senior in age shall rank higher in the order of merit.
8. The result of the Entrance Test will be available at <http://results.puchd.ac.in>. **No separate Result Cards will be issued.**
9. **Candidates can deposit their Admission Form for M.Phil. and Ph.D. only after the declaration of the result of the M.Phil. & Ph.D. Entrance Test-2021.**

PANJAB UNIVERSITY, CHANDIGARH

GENERAL INFORMATION

The Panjab University, Chandigarh will hold an Entrance Test for enrolment to M.Phil. & Ph.D. in the Faculties of Arts, Business Management & Commerce, Design & Fine Arts, Education, Engineering, Languages, Law, Pharmaceutical Sciences and Science.

Faculty of Arts

<u>Sr. No.</u>	<u>Name of the Department / College</u>	<u>Subject</u>	<u>M.Phil. Seats (subject to change)</u>	<u>No. of slots for Ph.D. (subject to change)</u>
1	Department of Ancient Indian History, Culture & Archaeology	Ancient Indian History & Archaeology	15	02
2	Department of Defence & National Security Studies	Defence Studies	05	10
3	Department of Economics	Economics	07	08
	Department of Evening Studies	Economics	Nil	01
	Institute for Development and Communication	Economics	Nil	06
4	Department of Gandhian and Peace Studies	Gandhian Studies	10	02
5	Department of Evening Studies	History	Nil	02
6	Department of Philosophy	Philosophy	05	01
7	Centre for Police Administration	Police Administration	04	Nil
8	Department of Political Science	Political Science	Nil	01
	Approved Supervisors from difference colleges of P.U. Chandigarh	Political Science	Nil	13
9	Department of Psychology	Psychology	Nil	05
10	Department of Public Administration	Public Administration	05	04
11	Department of Guru Nanak Sikh Studies, P.U.	Sikh Studies	Nil	02*

* subject to the approval of the Authority.

Faculty of Science

<u>Sr. No.</u>	<u>Name of the Department / College</u>	<u>Subject</u>	<u>M.Phil. Seats (subject to change)</u>	<u>No. of slots for Ph.D. (subject to change)</u>
1	Department of Anthropology	Anthropology	Nil	07
2	Department of Bio-chemistry	Biochemistry	Nil	02
3	Department of Bio-Physics	Bio-Physics	Nil	15
4	Department of Biotechnology	Biotechnology	Nil	02
	G.G.D.S.D College Sec 32 Chandigarh	Biotechnology	Nil	04
5	Department of Botany	Botany	Nil	01
6	Department of Chemistry	Chemistry	Nil	09
	S.D College Sec 32 Chandigarh	Chemistry	Nil	18
	PGGDCD, Sec. 11, Chandigarh	Chemistry	Nil	18
	DAV College, Sector 10, Chandigarh	Chemistry	Nil	33
	DAV College, Abohar	Chemistry	Nil	02
7.	Centre of Advanced Study in Geology	Geology	Nil	10
8.	Department cum National Centre for Human Genome Studies & Research	Human Genomics	Nil	07
9.	Centre for Medical Physics	Medical Physics	Nil	01
10.	Department of Microbial Biotechnology	Microbial Biotechnology	Nil	04
11	Department of Microbiology	Microbiology	Nil	17
12	Centre for Nuclear Medicine	Nuclear Medicine	Nil	01
13	Department of Physics	Physics	Nil	02
14	Department of Statistics	Statistics	06	06
15.	Centre for Stem Cell Tissue Engineering and Biomedical Excellence	Stem Cell Tissue Engineering and Biomedical Excellence	Nil	02
16	Centre for System Biology & Bioinformatics	System Biology & Bioinformatics	Nil	04
17	DAV College, Sector -10 , Chandigarh	Zoology	Nil	37

Faculty of Languages

<u>Sr. No.</u>	<u>Name of the Department / College</u>	<u>Subject</u>	<u>M.Phil. Seats (subject to change)</u>	<u>No. of slots for Ph.D. (subject to change)</u>
1. 2	Department of English & Cultural Affairs	English	10	02
	Affiliated colleges	English	Nil	09
3.	Department of French & Francophone Studies	French	Nil	04
4.	Department of Hindi	Hindi	Nil	03
5	School of Punjabi Studies, P.U.	Punjabi	20	20
	Department of Evening Studies – Multidisciplinary Research Centre, Panjab University, Chandigarh		Nil	10
6	VVBIS, & IS Hoshiarpur	Sanskrit	20	08
7	Deptt. of Chinese & Tibetan Languages, P.U., Chandigarh	Tibetan/ Buddhist Studies	Nil	06

Faculty of Education

<u>Sr. No.</u>	<u>Name of the Department / College</u>	<u>Subject</u>	<u>M.Phil. Seats (subject to change)</u>	<u>No. of slots for Ph.D. (subject to change)</u>
1.	Department of Community Education & Disability Studies, Panjab University Chandigarh	Community Education & Disability Studies	Nil	10
2	Department of Physical Education, P.U.	Physical Education	Nil	23

Faculty of Business Management & Commerce

<u>Sr. No.</u>	<u>Name of the Department/College</u>	<u>Specialization</u>	<u>M.Phil. Seats (subject to change)</u>	<u>No. of slots for Ph.D. (subject to change)</u>	<u>Sectoral Topic Doctoral Thesis (from any of the following only)</u>
1.	University Business School, Panjab University, Chandigarh	Finance & Accounting	Nil	06+01 (SC)	
		Human Resource	Nil	04+01 (SC)	
		Marketing	Nil	05+01 (SC)	
		Strategic Management	Nil	03 (Gen)	
	Teacher's Category as per P.U. rules			01 (Gen)	
2.	University Institute of Applied Management Sciences	Marketing	Nil	02 (Gen)	Retail Management/ Infrastructural Management/ Banking & Insurance/ Information Systems
		Strategic Management	Nil	01 (Gen)	
		Human Resource	Nil	02 (Gen)	
		Finance & Accounting	Nil	03 (Gen)	
3.	Panjab University Regional Centre, Ludhiana	Finance & Accounting	Nil	01 (Gen)	
		Marketing	Nil	01 (Gen)	
4.	GGDSD College, Sector-32, Chandigarh	Finance & Accounting	Nil	01 (Gen)	
		Marketing	Nil	01 (Gen)	
5.	Teacher's Category as per P.U. rules The candidate admitted under this Category has an option to pursue Ph.D. at any of the aforesaid Research Centre/Institute etc.			01 (Gen)	Marketing/ Finance & Accounting/ Human Resources/ Strategic Management

- (i) The Course work for all the above-said seats would be conducted at UBS, P.U., Chandigarh.
- (ii) The course work in Sectoral Areas currently offered at the UIAMS stands suspended from the next academic session 2021-2022.
- (iii) The above-mentioned seats are exclusive to each department/institute/Regional Centre. The candidates who have been offered seats would be required to opt for a Research Supervisor from the concerned department/institute/Regional Centre only. However, the Co-Supervisor, if need be, can be opted by the candidate from anywhere.
- (iv) Synopsis Presentation would be required to be made by candidates (who have successfully completed the Pre-Ph.D. Course Work) before the members of the Research Board and respective Research Advisory Committee in UBS, P.U. Chandigarh.

Faculty of Design and Fine Arts

<u>Sr. No.</u>	<u>Name of the Department / College</u>	<u>Subject</u>	<u>M.Phil. Seats (subject to change)</u>	<u>No. of slots for Ph.D. (subject to change)</u>
1	Department of Music	Vocal & Instrumental	15	Subject to availability of faculty
		Dance		
		Tabla		
2	Department of Art History & Visual Arts	Art History & Visual Arts	NIL	03

Faculty of Engineering

<u>Sr. No.</u>	<u>Name of the Department / College</u>	<u>Subject</u>	<u>M.Phil. Seats (subject to change)</u>	<u>No. of slots for Ph.D. (subject to change)</u>
1	S.S.B. University Institute of Chemical Engineering & Technology, Panjab University, Chandigarh	Chemical Engineering	Nil	07
		Industrial Chemistry	Nil	04
		Food Technology	Nil	03
2	University Institute of Engineering and Technology	Computer Science Engineering	Nil	34
		Information Technology	Nil	21
		Biotechnology	Nil	11
		Mechanical Engineering	Nil	58
		Electrical and Electronics Engg.	Nil	46
	Electronics and Communication Engg.	Nil	16	

Faculty of Pharmaceutical Sciences

<u>Sr. No.</u>	<u>Name of the Department / College</u>	<u>Specialisation</u>	<u>M.Phil. Seats (subject to change)</u>	<u>No. of slots for Ph.D. (subject to change)</u>
1	University Institute of Pharmaceutical Sciences	Pharmaceutical Chemistry	Nil	Depending upon availability of positions in research projects or open fellowships granted by various funding agencies or by Panjab University
		Pharmaceutics	Nil	
		Pharmacognosy	Nil	
		Pharmacology	Nil	
		Pharmaceutical Analysis	Nil	
		Pharmaceutical Quality Assurance	Nil	
		Industrial Pharmacy	Nil	
		Pharmaceutical Technology	Nil	
		Regulatory Affairs	Nil	
		Pharmaceutical Biotechnology	Nil	
		Pharmacy Practice	Nil	
		Pharmacology & Toxicology	Nil	
		Regulatory Toxicology	Nil	
		Medicinal Chemistry	Nil	
		Natural Products	Nil	
		Drug Discovery & Drug Development	Nil	
		Pharmaceutical Technology (Process Chemistry)	Nil	
		Pharmacoinformatics	Nil	
		Phytopharmacy & Phytomedicine	Nil	
		Traditional Medicine	Nil	
Clinical Research	Nil			
Pharmaceutical Technology (Biotechnology)	Nil			
Pharmaceutical Technology (Formulations)	Nil			

Faculty of Law

<u>Sr. No.</u>	<u>Name of the Department / College</u>	<u>Subject</u>	<u>M.Phil. Seats (subject to change)</u>	<u>No. of slots for Ph.D. (subject to change)</u>
1.	Department of Laws	Law	NIL	30

In case of enrolment of M.Phil. & Ph.D. in the following subjects/ Departments / Chairs, Subject (s) of Test will be as indicated:-

- | | | |
|-------|---|---|
| (i) | Interdisciplinary Centre for Swami Vivekanand Studies | } Masters degree in any Faculty with 55% marks in aggregate |
| (ii) | Department of Guru Nanak Sikh Studies | |
| (iii) | Guru Ravi Dass Chair of Sant Sahitya Studies | |

IMPORTANT NOTE:

The seats available will be subject to reservation as per Panjab University Rules and Regulations.

PROCEDURE FOR ADMISSION TO M.Phil. & Ph.D. PROGRAMME

For admission to these courses the candidates have to qualify M.Phil. & Ph.D. entrance test conducted by the Panjab University, Chandigarh.

The written test shall be followed by a mandatory interview in the form of interaction to be organized by the concerned school / department/ Institute/ Centres, as the case may be. At the time of interview, the candidates are expected to discuss their research area. Interview is essential for enrolment in M.Phil. & Ph.D. programme and selection would be solely based on the performance of the candidates in the Interview.

RESERVATION FOR M.PHIL. PROGRAMME

- (i) 15% for candidates of Scheduled Castes.
- (ii) 7 ½% for candidates of Scheduled Tribes; and
- (iii) 5% for candidates of Backward Classes as defined by the Government from time to time.
- (iv) 5% for the Persons with Disability (PwD)

ELIGIBILITY CRITERIA FOR ADMISSION TO M.PHIL. PROGRAMME

1. Candidates for admission to the M.Phil. programme shall have a Master's degree or a professional degree 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 institution.
2. 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/BC (non-creamy layer)/ PwD and other categories of candidates as per the decision of the Commission 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 procedure.

ELIGIBILITY FOR TEST IN FACULTY OF PHARMACEUTICAL SCIENCES

1. (a) Bachelor degree of Pharmacy.
- (b) Master's degree of Pharmacy in Pharmaceutical Chemistry / Pharmaceutics/ Pharmacognosy / Pharmacology / Pharmaceutical analysis / Pharmaceutical Quality Assurance/ Pharmaceutical Analysis & Quality Assurance / Drug Discovery and Drug Development

OR

Master's degree (M.Pharm., M.Sc., M.S., M.Tech. program) related to subjects listed under 1-b viz. Master's degree in Industrial Pharmacy / Pharmaceutical Technology / Regulatory Affairs/ Pharmaceutical biotechnology /Pharmacy Practice / Phytopharmacy & Phytomedicine / Medicinal Chemistry / Pharmacoinformatics / Natural Products / Traditional medicine / clinical research / Technology (Formulations) / Pharmacology & Toxicology / Pharm. Technology (Process Chemistry) / Regulatory Toxicology / Pharm. Technology (Biotechnology) etc. related to subjects listed under 1-b above with equivalence of course content. The equivalence shall be examined and decided by the Academic Committee of the UIPS.

ELIGIBILITY FOR TEST IN FACULTY OF ARTS, EDUCATION, LANGUAGES, SCIENCE, DESIGN AND FINE ARTS, LAW, AND ENGINEERING

Any candidate who has passed the Master's examination in the concerned subject with a score of not less than 55% (50% for SC/ST/BC/PwD Category) marks in aggregate, or have appeared in the final year examination of Master's degree in the subject concerned from Panjab University, Chandigarh or from any other University (approved by the appropriate Academic Bodies of P.U.), shall be eligible to appear for the M.Phil. & Ph.D. Entrance Test.

For Gandhian Studies (M.Phil. & Ph.D.)

The students possessing degree of M.A. in Gandhian and Peace Studies be considered for enrolment for Ph.D. degree in the other subjects of Arts and Social Sciences provided they clear the Entrance Test in the subject in which the enrolment is sought.

For Public Administration (M.Phil. & Ph.D.)

A candidate should have obtained Masters Degree in Public Administration or Political Science or Economics or Sociology or Psychology with at least 55% (50% for SC/ST/BC/PwD Category) marks in aggregate for M.Phil. & Ph.D. in Public Administration.

Eligibility for Defence Studies (M.Phil. & Ph.D.)

For Ph.D. the candidate should have obtained Master's degree with 55% (50% for SC/ST/BC/PwD Category) marks.

For M.Phil. in Defence & Strategic Studies, the candidate should have obtained Master's degree with 55% (50% for SC/ST/BC/PwD Category) marks in aggregate. However, the Defence Personnel i.e. the officers volunteering for the course having the rank of Lt. Colonel & above are exempted from appearing in entrance test. They should have PG degree with minimum marks of 50% of PG level & should carry research related activities and involved in imparting instructions in military related subjects; they should be conversant with formalizing concepts and doctrines.

Eligibility for Women Studies for Ph.D.

A candidate for the degree of Doctor of Philosophy in Women Studies should have obtained from the University the Master's degree with minimum of 55% (50% for SC/ST/BC/PwD Category) marks in any Faculty.

Eligibility for Swami Vivekananda Studies for Ph.D.

As per Syndicate decision (para 31 dated 27.2.2016) that Ph.D. programme be opened to the students from various discipline who have cleared UGC-NET in their own discipline or Ph.D. Entrance Examination in Swami Vivekananda Studies conducted by Panjab University. These candidates will have to do Course work in Swami Vivekananda Studies or if they want to do it in their own discipline then they will have to also pass the certificate course in Vivekananda Studies over and above Master's Degree.

Eligibility for Faculty of Education for

(i) M.Phil. in Department of Physical Education:

The qualification for admission to the course shall be M.P.Ed. of Panjab University with at least 55% marks (50% marks for SC/ST/BC Category).

OR

M.P.Ed. (two years) degree with 55% (50% marks for SC/ST/BC Category) marks of any other University recognized by Panjab University.

Minimum aggregate marks to Pass: As per University regulation.

Admission shall be on the basis of Panjab University Entrance Test.

(ii) Ph.D. in Community Education:

Master's Degrees in Education / Master's Degree in Community Education and Development with 55% marks and 5% relaxation to the SC/ST/BC (non creamy layer)/ Differently-Abled and other categories of candidates as per the decision of the Commission from time to time and, or for those who had obtained their Master's Degree prior to 19th September, 1991. The criteria for the admission in Ph.D. programme as per the circular No. ST. 8341-8491 dated 04-07-2018.

For M.Phil. in Sociology, a candidate should have obtained Master's degree in the subject of Sociology or Anthropology (Social Anthropology) with 55%(50% for SC/ST/BC/PwD Category) marks in aggregate.

Any candidate with M.Sc. (any branch of science)/ M.Tech./M.E. (any branch of engineering)/ M.Pharm. relevant to Nanoscience and Nanotechnology would be

considered as eligible to pursue Ph.D. in Nanoscience and Nanotechnology. Minimum 55% (50% for SC/ST/BC/PwD Category) marks in aggregate are required in qualifying exam and existing rules of the university will apply. Further, the final decision of enrolment will be subject to the approval by the Joint Academic Administrative Purse (JAAP) committee (subject to the approval of Syndicate/ Senate).

ELIGIBILITY FOR TEST OF FACULTY OF BUSINESS MANAGEMENT & COMMERCE

Any candidate who has obtained Master's degree with not less than 55% (50% for SC/ST/BC/PwD Category) marks in the aggregate, from Panjab University or from any other University (approved by the Academic Council) in any one of the following subjects: -

- (i) Commerce or Management
OR
- (ii) Economics, Mathematics, Statistics, Sociology, Psychology, Public Administration, Operations Research, Social Work, Engineering and Laws.
OR
- (iii) Any subject other than those mentioned in (i) and (ii) above provided that the candidate has either not less than 5 years' work experience at the managerial (including administrative service) level or is a member of the Faculty in the Department of University Business School, Panjab University with not less than 5 years' experience of teaching postgraduate classes.
OR
- (iv) Master of Finance and Control (MFC)

Provided further that candidates with qualification, mentioned in (ii) & (iii) above shall be eligible for enrolment only if the area of research relates to the Faculty of Business Management and Commerce.

- (v) The following categories of candidates, who are graduates and have either a minimum 5 years' standing in the profession (practice or service) or 5 years' experience of teaching postgraduate classes, shall also be eligible:
 - (a) A member (Associate or Fellow) of the Institute of Chartered Accountants of India.
 - (b) A member (Associate or Fellow) of the Institute of the Cost & Works Accountants of India.
 - (c) A member (Associate or Fellow) of the Institute of Company Secretaries of India.

University Business School, Panjab University, Chandigarh, will admit students to Ph.D. programme once in a year only, i.e. in the beginning of the session of Ph.D. Programme, as University Business School has two-semester course-work.

EXEMPTION FROM ENTRANCE TEST FOR ENROLMENT To M.Phil / Ph.D. AS PER THE CIRCULAR NO. 8341-8491 DATED 04-07-2018

Panjab University shall admit M.Phil./ Ph.D. students through Entrance Test conducted at the level of the University. However, exemption from entrance test will be given to those who have already cleared any of the national test like UGC-CSIR NET including JRF, SLET, GATE, or any other prestigious test for national level scholarship/ fellowship conducted at all India level on behalf of national institution(s), for example, GPAT, and JEST, Direct awardees of fellowship for

pursuing Ph.D. and working permanent teachers of Panjab University and affiliated college are also exempted from the entrance test.

VALIDITY

GATE/ GPAT or any other national level test meant for admission to Ph.D./ M.Phil. would be valid forever. However, the validity of PU University Entrance Test for admission to Ph.D. / M.Phil. courses would be **THREE** Years.

SCHEME OF TEST

The medium of examination shall be ENGLISH only, except in the test for language other than English.

Test for Public Administration, Sociology, Social Work, Police Administration and Music will be conducted in the medium of English, Hindi and Punjabi.

The Test shall consist of 2 papers in each subject as detailed below: -

Paper-I (Objective Type / Multiple Choice Questions)

Duration: One Hour Maximum Marks: 50

Number of questions: 50 Questions to be attempted: 50

Each question will carry one mark. **There will be no negative marking.**

IMPORTANT NOTE: There will be 25 questions on Research Methodology in Part A and 25 MCQs on Subject specialization in Part B).

Paper-II (Subjective / Descriptive Type)

Duration: Two Hours Maximum Marks: 50

Number of questions: 08 Questions to be attempted: 05

Each question will carry ten marks.

IMPORTANT NOTE: (There will be FOUR questions on **Research Methodology in Part A** and FOUR questions on **Subject Specialization in Part B** in **Paper II**. Out of that the candidate is expected to attempt FIVE questions atleast two questions from each Part in Paper II).

Use of calculator for Paper-II is allowed. However, use of programmable calculator is not allowed.

RESULT

Initial evaluation will be of Paper-I (Objective Type). Only if a candidate obtains 40% (35% for SC/ST/BC/PwD) marks or more only then his/ her paper II will be evaluated.

However, the total qualifying marks for Paper I and II would be 50%. (Syndicate Para 2 dated 08-03-2020).

Result of M.Phil. & Ph.D. entrance test will be available on Panjab University website results.puchd.ac.in

INTERVIEW

The interview for admission to the Ph.D. shall be conducted at least twice a year. However, it shall not be applicable to the scholarship holders employed in a project. The Supervisor of the candidate shall be a member of the Interview Committee. However, the entrance test for admission to Ph.D. shall be conducted only once a year as prevalent.

FELLOWSHIP: A few University fellowships are available for Ph.D. research. If successful candidates wish to be considered for the University fellowship they should report to their respective departments.

ENROLMENT TO Ph.D.

The candidates who qualify the said test shall have to directly, and independently, approach the respective department in which they want to pursue research within the period of two years from the date of declaration of result. They should submit the Enrolment Form to the concerned Department by the due date.

5% seats are reserved for the Persons with Disability (PwD) for admission in higher education at courses such as M.Phil. and Ph.D. (Section 39 of PwD Act 1995).

The reservation of seats of SC/ST/BC/PwD candidates will be department-wise and L-shaped roster would be followed, i.e. if the number of seats in a given year is less than 7, then the reservation will be given in the next year when the 7th seat (counting seat of both the years) become available.

The specialization within the subject for giving reservation will be decided by the department.

Reservation policy is to be followed for Ph.D. students working as Project Fellow in various Projects also. Every Project In-charge / Principal Investigator would be enjoined upon to ensure that nth Project fellow recruited under him/her is from the reserved category enlisted for reservation at the nth position e.g. every 7th project fellow is for SC Category and so on.

The registration of Ph.D. Students would be twice a year except in those departments where one year Pre-Ph.D. course work is running for which it will be once a year.

The registration shall be done in the month of January - February and July-August.

IMPORTANT NOTE: ANY MODIFICATION REGARDING M.PHIL. / PH.D. -2021 ENTRANCE TEST WILL BE UPLOADED ON THE WEBSITE LATER ON.

GENERAL RULES

1. Qualifying the Entrance Test shall not, ipso facto, entitle a candidate to get enrolment in the Department concerned where he / she intends to seek enrolment. This will be followed by mandatory interview. The selection would be solely based on the performance of the candidates in the interview. It will be the responsibility of the candidate to ensure his/her eligibility and fulfillment of such other conditions as may be prescribed for enrolment in the Rules and Regulations of the University. The enrolment will be subject to the availability of seats and Experts for Guidance / Supervision in the Area of Research to be chosen by the candidate and the candidate is required to verify these facts from the concerned Department before applying for the Test.
2. The Entrance Test will be held on **31-10-2021 (Sunday)** at **Chandigarh** only.
3. Once the candidate has submitted the information on the website, any change in the Form/information, including category once marked, shall not be allowed.
4. A candidate desirous of taking the Entrance Test should submit his/her fee in any branch of State Bank of India using website generated Challan by **15-09-2021 (Wednesday) upto 3:59 p.m.** and online by **15-09-2021 (Wednesday)**.
5. Last date for completing the Entrance Form including uploading of photograph, signature, with rest of the information on the website is **18-09-2021 (Saturday)**.
6. The fee for the Entrance Test once paid shall not be refunded / transferred / adjusted.
7. The candidates shall be required to hand over their Answer-Sheets and the Question Papers / Booklets in full to the Centre Superintendent even if they have not attempted any question. No page/part of the Question Paper/Answer Sheet is to be removed / torn/taken out of the Examination Centre under any circumstances, failing which the candidates shall be disqualified from the entire test.
8. The use of calculator is not allowed in any subject/paper, except in Paper-II of Faculty of Engineering. But it should not be Programmable Calculator.
9. The University will provide the logarithmic table. Borrowing of log table or other material from any other person/ candidate is not allowed.
10. **No candidate shall be allowed to leave the examination hall/room before the expiry of the time allowed for the respective examination.**
11. For rough work, only the Sheets marked 'Rough Work' at the end of the question booklet/script should be used. No rough work should be done on the Answer Sheet under any circumstances.
12. Any candidate who carries any telecommunication equipment such as pager, cellular phone, wireless set, Bluetooth device, etc. inside the examination hall shall be expelled from the examination hall & disqualified.
13. If any candidate who submits multiple Online Entrance Test Forms for the same Course his/her candidature shall be considered only on the basis of one Form.
14. The candidates must bring their own stationary items such as **Black Gel Pen. Borrowing of material inside the Test Centre is strictly prohibited.**
15. **There shall be no negative marking.**

16. **There shall be no re-evaluation/re-checking/re-assessment of Answer-Sheets.** Request for seeing the Question Booklet/Evaluated Answer Sheets/Answer-Books by the candidates shall not be entertained. The evaluation once done by the University shall be taken as absolutely final.
17. If a candidate wishes to verify her/his result, s/he will be provided a photocopy of her/his Answer Sheet on payment of Rs.10,000/- **within 10 days after the declaration of the Entrance Test result.** The University office would complete the whole procedure of verification n within three working days. In case, a discrepancy is found in the result of the candidate, it would accordingly be revised and the verification fee will be refunded.
18. The candidates shall be required to Answer the questions only on the Answer-Sheets provided for that purpose, as per the rules/ norms stated in the respective Answer Sheets.
19. Candidates are not allowed to carry eatables, drinks etc. into the Test Centre. Smoking inside and around the Centre is not permitted.
20. Any candidate who creates disturbance of any kind during examination or otherwise misbehaves in or around the examination hall or refuses to obey the Superintendent/Deputy Superintendent/Assistant Superintendent/any other official on examination duty or changes his/her seat with any other candidate or occupies any seat, other than the one allotted to him/her shall be expelled from the examination hall.
("Expulsion" for this purpose would mean cancellation of candidature)
21. Any candidate having in his possession or accessible to him/her papers/books or notes which may possibly be of any assistance to him /her or is found giving or receiving assistance, or copying from any paper/book or note or from anywhere else or allowing any other candidate to copy from his/her Answer book or found writing on any other paper question set in the question paper during examination, or using or attempting to use any other unfair means, or indulging in any kind of misconduct, shall be expelled from the examination hall.
("Expulsion" for this purpose would mean cancellation of candidature)
22. If any Answer Sheet of a candidate shows or if it is otherwise established that he/she has received or attempted to receive help from any source in any manner or has given help or attempted to give help to any other candidate in any manner, the relevant Answer-Sheets shall be cancelled. The decision of the Controller of Examinations, Panjab University, Chandigarh, in this regard shall be final.
23. **If a candidate writes his/her name or puts any kind of identification mark or discloses his/her identity by any method whatsoever on the cover or anywhere else in the Question Booklet/Answer Sheets, the same shall be treated as cancelled. The decision of the Controller of Examinations, Panjab University, Chandigarh, in this regard shall be final.**
24. Any person who impersonates a candidate, shall be disqualified from appearing in any Panjab University examination for a period of **five years** including this Entrance Test, if that person is a student on the rolls of a recognized College or University, he/she shall be declared as a person not fit and proper to be admitted to any examination of the Panjab University for a period of **five years**. The case, if necessary, shall also be reported to the police for any further action in the matter.
25. If it is found that a candidate has knowingly or willfully concealed or suppressed any information/fact which renders him/her ineligible to take the Entrance Test, his/her

result of the Test as also admission/enrolment to a Institution/Department/Centre of the University, if granted, shall stand cancelled and he/she shall have no claim whatsoever against the Institution/ Department/ Centre concerned and the case, if necessary shall be reported to the police.

26. If a dispute or controversy of any kind arises before, during or after conduct of the Entrance Test, the decision of the Controller of Examinations, Panjab University, in all such cases, shall be final.
27. **The candidates shall be admitted to the Test only on the production of the Admit Card at the Test Centre. No candidate shall be allowed to take the test without the Admit Card under any circumstances. The candidates must retain the Admit Card with them till the enrolment process is over and must produce the same at the time of enrolment.**
28. The Admit Cards will be issued to the candidates only provisionally, at their sole risk and responsibility subject to the final confirmation of their eligibility at the time of admission / enrolment. It is further clarified that the candidates shall be taking the test at their own risk and responsibility as far as their eligibility is concerned and the University shall, in no way, be responsible if they are found to be ineligible, later, leading to cancellation of their result or any other consequence(s) emanating from the same.
29. The final date by which Roll No. will be available online is **08-09-2021 (Wednesday)**. Admit Card required to be downloaded from the website by the candidate using their own Login and Password (provided while generating Bank Challan). **There will be no physical communication for this purpose.**
30. On 16-11-2021 by 1.00 P.M., the Question Papers and Answer Keys will be put on the University website <http://exams.puchd.ac.in/show-noticeboard.php> . The candidates can file their objections regarding discrepancies and accuracy of the Key by e-mail to arcet@pu.ac.in latest by 18-11-2021. Objections received will be published on the website and cross objections will also be invited within a certain timeframe as mentioned in the Schedule for Entrance Test at Page 4. The valid concerns thus expressed will be given due consideration while evaluation.
31. The following functionaries may be contacted for extremely urgent enquiry, if any, only on working hours i.e. from Monday to Friday (from 10:00 a.m. to 4:00 p.m.).

1. Assistant Registrar (C.E.T.)	0172 – 2534829, 9855531122
2. Superintendent (C.E.T.)	0172-2534829, 9814666346
3. Controller of Examinations	0172 – 2534811
4. Main Enquiry Office	0172 – 2534818, 2534819, 2534866, 18001802065

ANNEXURE I

FACULTY OF BUSINESS MANAGEMENT & COMMERCE

SYLLABUS FOR PH.D. EXAMINATION (2021)

Paper I: Research Methodology Compulsory 50 marks

Basic Concepts of Research Methodology, Research Process, Review of Literature, Theory Building, Hypothesis Formulation, Research Design, Sampling, Data Collection Methods, Data Collection Instruments, Hypothesis Testing – Univariate, Bivariate & Multivariate Techniques, Data Processing, Report Writing.

Paper II: Students shall select one of the following groups 50 marks

GROUP – I

ACCOUNTING AND FINANCE

Management, Accounting, Financial Management, Financial Statement Analysis, Financial Engineering, Management of Financial Services, Investment Management, Management Control Systems, Project Planning, Analysis and Management, Strategic Cost Management, International Financial Management, Behavioural Finance, Corporate Governance, Business Finance, International Accounting.

GROUP – II

HUMAN RESOURCES

Human Resource Management, Economics for Human Resources, Organisational Behavior, Labor Legislation, Industrial Relations, Management of Change, Human Resource Planning, Strategic Human Resource Management, Performance and Compensation Management, Organisational Development, Training and Development, Negotiating Skills, Participative Decision Making, Social Security, Labour Welfare, Human Resource Information Systems, Personal Effectiveness and Leadership, Management of Discipline and Disciplinary Proceedings, Ethics and Conduct of Business, Interpersonal Skills and Transactional Analysis, Human Resource Valuation, Total Quality Management, Stress Management, Designing Organisations for Uncertain Environments, Dynamics of Trade Unions, Emotional Intelligence and Managerial Effectiveness, Comparative Industrial Relations, Managerial Competencies and Career Development, Building Learning Organisations, Industrial Engineering, Secretarial practice.

GROUP – III

MARKETING

Fundamentals of Marketing Management, Advertising, Brand Management, Consumer Behaviour, Customer Relationship Management, Global Marketing, Industrial Marketing, Internet Marketing, Marketing Research, Marketing Strategy, Product Management, Retail Management, Rural Marketing, Sales Management, Supply Chain Management and Services Marketing, Foreign Trade Documentation and Trade Finance, Application of Accounting and Finance in Marketing.

GROUP – IV

STRATEGIC MANAGEMENT

Fundamentals of Micro Economic and Macro Economics; Forces in the External Environment economic and non-economic; Forces in the Internal Environment; Formulation and Implementation of Corporate Level Strategy, Global Strategy, Business Level Strategy, and various Functional Level Strategies- including Marketing Strategy, Human Resources Strategy, Operation Strategy and Financial Strategy; Entrepreneurship and Strategies for Entrepreneurial Ventures.