

# DEVI AHILYA VISHWA VIDYALAYA, INDORE

## DOCTORAL ENTRANCE TEST (DET)-2018

### M.Phil./ Ph.D. ADMISSIONS-2018

#### GUIDELINES FOR APPLICANTS

1. All the eligible candidates who wish to take admission in Ph.D./M.Phil. programme will have to apply through MP-Online <https://davv.mponline.gov.in>. along with the applicable application fee. Last date of application is March 26, 2018.
2. The application fee is Rs. 1000/- (Rupees One Thousand only) for single Entrance Test (either for Ph.D. or for M.Phil.). The application fee is Rs. 1500/- (Rupees One Thousand Five Hundred only) for both Entrance Tests for Ph.D. and M.Phil. In addition to the application fee, Rs. 50/- will also be charged extra as Online Service Charges. Candidate can pay fee online through MPOnline authorized KIOSK in MP or through any ATM cum Debit Card/ Credit Card or Net Banking from anywhere.
3. No Ph.D. / M.Phil. student shall join any other course/study or appear at any other examination leading to a degree, except Certificate course(s), during his/her Ph.D./ M.Phil. programme.
4. Candidates shall be admitted in M.Phil./ Ph.D. programmes through Doctoral Entrance Test followed by an interview. DET shall be conducted for each subject separately at the University Teaching Departments.
5. **Eligibility:** A candidate for the degree of Ph.D. / M.Phil. must hold a Master's degree or equivalent in the concerned or allied subject with at least 55% Marks (50% for 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.) of the university, a deemed university or other university incorporated by any law for the time being in force and recognized by the University. The candidates appearing in the final semester / year examination may also apply but they have to submit their final result as per above mentioned percentage before submission of application for registration in Ph.D. / M.Phil.
6. A candidate shall ordinarily be permitted to work for Ph.D. /M.Phil. degree in the subject in which he/she has obtained his/her Master's Degree. However, research work leads to Ph.D. /M.Phil.degree may be allowed in allied subject of interdisciplinary nature of the same faculty or of allied faculties. In such cases, candidates may be permitted to work under one or two co-supervisors along with the supervisor.
7. The students who have valid JRF awarded through *UGC-NET* or *UGC-CSIR-NET* ; teacher fellowship for research awarded by UGC/AICTE; any other Government / Foreign research fellowship; M.Phil. degree (as per UGC Regulations 2009 or amended thereafter) with course work shall be exempted from the Entrance Test but they have to appear in the interview. It is mandatory for all candidates (including the candidates who are exempted from Entrance Test) to apply online through MP-Online <https://davv.mponline.gov.in>. The students who have qualified UGC/CSIR-NET without JRF or SLET or SET have to appear

in the DET for admission in M.Phil./ Ph.D. The research fellowships directly awarded to the students by the central / state government will be considered as Govt. fellowships.

### 8. Subjects for Ph.D./ M.Phil.:

Subjects for Ph.D.		Subjects for M.Phil.	Subjects for Both M.Phil. and Ph.D.
1. Applied Chemistry	23 Information Technology	1. Commerce	1. Commerce
2. Applied Mathematics	24 Instrumentation	2. Economics	2. Economics
3. Applied Physics	25 Journalism and Mass Communication	3. Education	3. Education
4. Biochemistry	26 Law	4. Energy and Environment	4. Energy and Environment
5. Biotechnology	27 Life Science	5. English	5. English
6. Botany	28 Management	6. Geography	6. Geography
7. Chemistry	29 Mathematics	7. Hindi	7. Hindi
8. Commerce	30 Mechanical Engineering	8. History	8. History
9. Computer Science	31 Ophthalmology	9. Home Science	9. Home Science
10. Computer Engineering	32 Orthopaedics	10. Journalism and Mass Communication	10. Journalism and Mass Communication
11. Data Science	33 Pharmacy	11. Law	11. Law
12. Economics	34 Philosophy	12. Life Science	12. Life Science
13. Education	35 Physical Education	13. Management	13. Management
14. Electronics	36 Physics	14. Mathematics	14. Mathematics
15. Electronics and Telecommunication	37 Political Science	15. Physical Education	15. Physical Education
16. Electronics and Instrumentation	38 Psychology	16. Physics	16. Physics
17. Energy and Environment	39 Social Work	17. Political Science	17. Political Science
18. English	40 Sociology	18. Psychology	18. Psychology
19. Geography	41 Statistics	19. Sanskrit	19. Social Work
20. Hindi	42 Zoology	20. Social Work	20. Sociology
21. History	43 Urdu	21. Sociology	21. Urdu
22. Home Science		22. Urdu	

9. The Entrance Test for admission in Ph.D. is scheduled on 15-04-2018 from 11.00 a.m to 1.00 p.m. at the respective centres as mentioned on the university website. The Entrance Test for admission in M.Phil. is scheduled on 03-06-2018 from 11.00 a.m to 1.00 p.m. at the respective centres as mentioned on the university website.

10. Subject-wise list of DET centres is as follows:

No.	Subject	Programme(s)	DET Centre
1.	Applied Chemistry	Ph.D.	Institute of Engineering and Technology (IET)
2.	Applied Mathematics	Ph.D.	Institute of Engineering and Technology (IET)
3.	Applied Physics	Ph.D.	Institute of Engineering and Technology (IET)
4.	Biochemistry	Ph.D.	School of Biochemistry
5.	Biotechnology	Ph.D.	School of Biotechnology
6.	Botany	Ph.D.	School of Life Sciences
7.	Chemistry	Ph.D.	School of Chemical Sciences
8.	Commerce	Ph.D., M.Phil.	School of Commerce
9.	Computer Science	Ph.D.	School of Computer Science & IT

10.	Computer Engineering	Ph.D.	Institute of Engineering and Technology (IET)
11.	Data Science	Ph.D.	School of Data Science and Forecasting
12.	Economics	Ph.D., M.Phil.	School of Economics
13.	Education	Ph.D., M.Phil.	School of Education
14.	Electronics	Ph.D.	School of Electronics
15.	Electronics and Instrumentation	Ph.D.	Institute of Engineering and Technology (IET)
16.	Electronics and Telecommunication	Ph.D.	Institute of Engineering and Technology (IET)
17.	Energy and Environment	Ph.D., M.Phil.	School of Energy and Environmental Studies
18.	English	Ph.D., M.Phil.	School of Languages
19.	Geography	Ph.D., M.Phil.	School of Social Science
20.	Hindi	Ph.D., M.Phil.	School of Languages
21.	History	Ph.D., M.Phil.	School of Social Science
22.	Home Science	Ph.D., M.Phil.	School of Social Science
23.	Information Technology	Ph.D.	Institute of Engineering and Technology (IET)
24.	Instrumentation	Ph.D.	School of Instrumentation
25.	Journalism and Mass Communication	Ph.D., M.Phil.	School of Journalism and Mass Communication
26.	Law	Ph.D., M.Phil.	School of Law
27.	Life Science	Ph.D., M.Phil.	School of Life Sciences
28.	Management	Ph.D., M.Phil.	Institute of Management Studies (IMS)
29.	Mathematics	Ph.D., M.Phil.	School of Mathematics
30.	Mechanical Engineering	Ph.D.	Institute of Engineering and Technology (IET)
31.	Ophthalmology	Ph.D.	School of Pharmacy
32.	Orthopaedics	Ph.D.	School of Pharmacy
33.	Pharmacy	Ph.D.	School of Pharmacy
34.	Philosophy	Ph.D.	School of Social Science
35.	Physical Education	Ph.D., M.Phil.	School of Physical Education
36.	Physics	Ph.D., M.Phil.	School of Physics
37.	Political Science	Ph.D., M.Phil.	School of Social Science
38.	Psychology	Ph.D., M.Phil.	School of Social Science
39.	Sanskrit	M.Phil.	School of Languages
40.	Social Work	Ph.D., M.Phil.	School of Social Science
41.	Sociology	Ph.D., M.Phil.	School of Social Science
42.	Statistics	Ph.D.	School of Statistics
43.	Zoology	Ph.D.	School of Life Sciences
44.	Urdu	Ph.D., M.Phil.	School of Languages

11. The candidate may select the subject for the Entrance Test in which he/she has completed Master's Degree or the allied subject in which he/she wants to take admission. If the candidate qualifies the Entrance Test with the subject in which he/she has completed Master's Degree and wants to take admission in an allied subject of interdisciplinary nature, he/she may be permitted for interview in the allied subject. List of allied subjects shall be available on the University website.

12. If a candidate wants to pursue Ph.D./M.Phil. in an interdisciplinary/ allied subject other than the subject which he/she has opted for DET should apply for interview in the School of Studies of allied subject along with a certificate from the respective Head of the Department (DET Centre) certifying that the candidate has qualified the DET and eligible for interview. The name of such candidates will be deleted from the list of the candidates qualified for interview in the subject in which he/she opted for DET and will be included in the list of the candidates for interview in the allied subject.
13. There is no age limit for admission in Master of Philosophy (M.Phil.) / Doctor of Philosophy (Ph.D.) programmes.
14. Seats reserved for SC/ST/OBC category will be offered to the SC/ST/OBC candidates of Madhya Pradesh domicile only. SC/ ST/OBC candidates from other states and the candidates from other reserved categories from any state will be treated under unreserved category. Select your category carefully. SC/ ST/OBC candidates have to produce category certificate and valid M.P. domicile certificate issued by appropriate authorities at the time of counselling. Ensure that you have correctly selected your category. Change of category shall not be accepted thereafter at any stage.
15. **Entrance Test:** The Doctoral Entrance Test will have the question paper in two parts. Part-A shall consist of 50 objective type compulsory questions of 1 mark each based on research methodology. It shall be of generic nature, intended to assess the research aptitude of the candidate. It will primarily be designed to test reasoning ability, data interpretation, and quantitative aptitude of the candidate. Part-B shall also consist of 50 objective type compulsory questions of 1 mark each based on the syllabus of the subject at Masters level.

The duration of the Doctoral Entrance Test will be of two hours. There will be no negative marking.

The candidates must score minimum 50% marks in the entrance test to qualify for the interview. A list of the eligible candidates for interview will be notified on the university website.

16. **Interview:** The students who are exempted from the entrance test and who have qualified the DET shall have to appear in the interview for admission in Ph.D. / M.Phil. in the subject where they want to take admission. The interview shall be conducted by the Research Advisory Committee of the concerned subject. The date of interview in each subject will be notified on the website of the University.

The candidates are expected to bring the No Objection Letter from the proposed Supervisor and Co-supervisor (if applicable) duly forwarded from the Head of the research centre (s). The candidates should also bring with them the following documents:

- a. Original certificates and mark sheets along with a self-attested copy of each of the certificate and mark sheet of 10<sup>th</sup>, 12<sup>th</sup>, Graduation, and P.G. classes.
- b. Original documents along with a self-attested copy of SC/ ST/ OBC /MP domicile certificate (whichever is applicable) to claim the benefit of reservation, as per MP Govt. rules.

The candidates are required to discuss their research interest / area through a presentation before a duly constituted Research Advisory Committee. The interview/*viva-voce* shall also consider the following aspects, viz. whether:

- the candidate possesses the competence for the proposed research;
- the research work can be suitably undertaken at the research centre;
- the proposed area of research can contribute to new/additional knowledge.

The evaluation in interview will be based on 100 marks to be allocated in the following criteria, each of 25 marks:

- (i) Research plan
- (ii) Research potential/ aptitude
- (iii) Communication skills
- (iv) Subject knowledge in the respective area of research.

The RAC shall decide the cut-off marks in interview for admission for Ph.D

The Chairperson, RAC, will allocate the marks in each of above criterion after consensus. In case of disagreement among the members the average of the marks given by individual member will be the final marks in the criterion. Merit list will be prepared on the basis of the marks obtained out of 100 marks in the interview and the decided cut-off marks.

The RAC shall finalize the list of the candidates to be admitted to the Ph.D./ M.Phil. programme in the concerned subject as per the merit and availability of seats. It shall also allot the Research centre, Supervisor, Co-Supervisor (if any), and approve the tentative area of the proposed research work.

17. The final list shall be notified on the University website.

18. **Allocation of Supervisor:** The allocation of the supervisor for a selected student shall finally be decided by the RAC in a formal manner depending on the available seats with the supervisor, the available specialization among the supervisors and the research interest of the student as indicated during the interview. In case Supervisor is not working at the research centre a Co-supervisor may be allotted from the research centre to guide and monitor the research scholar at the centre.

In case of topics which are of inter-disciplinary nature where the RAC feels that the expertise in the research centre has to be supplemented from outside, the RAC may appoint a Research Supervisor from the university, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the Research centre/ Faculty / College/ University on such terms and conditions as may be specified and agreed upon by the consenting Institutions/Colleges.

19. **Course Work for Ph.D.:**

(a) The candidates selected for Ph.D. programme are required to apply for the Ph.D. registration on prescribed proforma downloadable from the university website. The duly filled registration form along with the necessary documents and certificates shall be forwarded by the research centre after verifying the payments of the following fees:

- (i) Registration fee
- (ii) Ph.D. Course work fee
- (iii) Research Centre fee for six months

- (iv) Research Centre Caution Money (payable once only and refundable)
- (v) University Library fee for six months
- (vi) University Library caution money (payable once only and refundable)
- (vii) IT Infrastructure fee for six months
- (viii) Research Laboratory fee for six months (where laboratory work is involved)
- (ix) Identify card fee
- (x) Any other fee as decided by the university.

Duly forwarded Ph.D. registration form should be submitted to the University and a photocopy of the same form and documents should be submitted to the Research Centre.

The candidates already completed the course work with at least 55% of marks in M.Phil. and admitted to the Ph.D. programme shall be exempted from the Ph.D. course work and its fee. All other candidates admitted to the Ph.D. programme and submitted the Ph.D. registration form shall be required to complete the course work of 16 credits as prescribed by the University/ Research Centre during initial one or two semesters. The course work shall be treated as prerequisite for Ph.D. The Ph.D. course work shall contain the following courses:

(i)	Research Methodology	4 credits
(ii)	Review of Published Research in the relevant field	3 credits
(iii)	Computer Applications	3 credits
(iv)	Advance course in the subject of research	3 credits
(v)	Comprehensive Viva-Voce	3 credits

The course on Research Methodology should cover areas such as statistical research methods, research ethics, research report writing, etc. The course on Review of Published Research in the relevant field will be undertaken under the supervisor or the regular teacher of the centre of course work and the candidate has to consult the library or other resources to carry out the literature review. At the end of the semester the candidate has to submit a brief report on the literature review for evaluation, which will be done by the two examiners. The course on computer applications will include the computer applications helpful in the research subject. The advanced course in the relevant field shall comprise the topics related to the subject of research. The syllabus of the courses on research methodology, computer applications, and advanced course shall be decided by the concerned Board of Studies.

The final grades shall be submitted to the University. The University shall issue the certificate of the Ph.D. course work in the prescribed format.

## **20. Course work for M.Phil.:**

After having been admitted, each M. Phil. student shall be required to undertake course work of one semester of 24 credits as prescribed by the University/ School of Studies/ Departments.

The overall minimum credit requirement, including credit for the course work, for the award of M.Phil. degree shall not be less than 48 credits. The syllabus for M. Phil course shall be

prepared by the concerned Board of studies and approved. However, the Board of studies shall be instructed to prepare the syllabus in the following manner:

**First Semester:** The credits of the M.Phil. Course work (24 credits) will be as under:

I.	Research Methodology	(4 credits)
II.	Review of Published Research in the relevant field.	(4 credits)
III.	Computer Applications.	(4 credits)
IV.	One Advance subjects in the relevant field.	(4 credits)
V.	Synopsis Submission.	(4 credits)
VI.	Comprehensive Viva-Voce	(4 credits)

**Second Semester:** Upon satisfactory completion of course work, the M.Phil. scholars shall be required to undertake research work (dissertation/thesis) in the second semester (24 credits). Along with some seminars and presentations as prescribed below-

I.	Seminar	(4 credits)
II.	Term Paper/ Assignment	(4 credits)
III.	Final Dissertation/ Project Presentation	(12 credits)
IV.	Comprehensive Viva-Voce	(4 credits)

## 21. Common Points for Course Work:

- (a) All courses prescribed for Ph.D./M.Phil. course work shall be in conformity with the credit hour instructional requirement and shall specify content, instructional and assessment methods. The examination and evaluation scheme for the course work shall be as per the Ordinance 31 of the University.
- (b) The candidate has to obtain a minimum of 55% of marks or its equivalent grade points in aggregate in the course work in order to be eligible to continue in the Ph.D. / M.Phil. programme.
- (b) The course work for Ph.D./ M.Phil. shall be conducted in the University Teaching Departments/ Research centers as approved by the Vice chancellor.
- (c) If a student obtains F or Ab Grade in a course/ subject, he /she will be treated to have failed in that course. He / she have to reappear in the examinations of the course as and when conducted or arranged by the UTD in the next semester. Marks obtained earlier in continuous assessment may be carried forward and added to the marks obtained in repeat end-semester examination to decide the grade in the repeat course. The student has to pay the prescribed fee for repeating the course. If he/she further fails in the course, he/she shall not be given another chance and he/ she shall be out of the Ph.D./M.Phil. programme. No student shall be allowed to repeat the course to improve the grade if he/ she pass the course.
- (d) A combined course work for M.Phil. and Ph.D. students may be conducted for a single / group of subjects wherever possible. If found necessary, course work may be carried out in sister UTD/ Institute within the University for which due credit will be given.

## 22. Registration of the student for Ph.D.:

After successful completion of the Ph.D. course work with minimum 55% of marks the students shall submit the copy of the certificate of the course work and synopsis of the

proposed research work in the prescribed Proforma to the University within two months from the date of declaration of result of the Ph.D. course work.

The University shall conduct the meeting of the **Research Degree Committee (RDC)** in which the candidate shall make an oral presentation of his/ her proposed research work before RDC.

The RDC shall recommend the topic of research and the date of registration of the candidate for the Ph.D. degree. On approved by the RDC, the candidate shall be registered and enrolled as a Ph.D. student from the date on which candidate deposited the registration fee or as decided by RDC whichever is later. Candidate will also be required to pay regular tuition, library, IT centre and laboratory fees (six monthly) during his research tenure.

Provided that, if the RDC approves the topic and suggests a minor change, then the candidate shall be allowed to submit a revised synopsis through the Chairperson, BOS and Dean of the faculty.

If the RDC does not approve/recommend a candidate for registration to Ph.D. Candidate shall be allowed to make an oral presentation again in the next RDC. In such cases, date of registration shall be as per the recommendation of RDC.

Provided that, if candidate fails to be present or satisfy the RDC for the second time, his / her case will be rejected / cancelled. In such case, the caution money deposited by the candidate shall be refunded.

**23.** A candidate shall pursue his/her Ph.D./ M.Phil. at the allotted research centre.