B.N.MANDAL UNIVERSITY
MADHEPURA-BIHAR
PIN-852113
Website: www.bnmu.ac.in

Ph.D. Admission Test – 2019

(As per Regulation approved by the Governor's Secretariat, Bihar Vide Memo No. BSU-05/2010/2684/GS (I) dated 21.09.2017 & Letter No. BSU (Regulation)-05/2010/3230/GS (I) dated 181.12.2018)

AMENDED

Online Application from the desirous candidates having Master's degree with at least 55% marks in aggregate or its equivalent grade in the UGC 7-point scale or an equivalent grade as applicable in a point scale wherever grading system is followed, and relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, will be allowed for those belonging to SC/ST/EBC/OBC/Differently-abled categories of candidates is invited for Ph.D. Admission Test (PAT) – 2019 latest by **10, 06, 2019**. The Test is scheduled to be held on **14, 06, 2019.**

Online Application may be filled up by clicking on the Link provided by the University website – www.bnmu.ac.in

Subjects in which Test will be conducted

Serial No.	FACULTIES	SUBJECTS
01	COMMERCE	Commerce
02	HUMANITIES	Hindi, English, Sanskrit, Maithili, Urdu, Philosophy.
03	SCIENCE	Physics, Chemistry, Zoology, Botany, Mathematics
04	SOCIAL SCIENCES	History, Political Science, Home Science, Sociology, Economics, Psychology, Geography,

Subject wise Vacancies

Serial No.	SUBJECTS	Total vacant seats	Faculty
01	HINDI	39	Humanities
02	MAITHILI	21	
03	PHILOSOPHY	15	
04	SANSKRIT	07	133
05	URDU	28	
06	ENGLISH	23	
07	ECONOMICS	27	Social Science
08	GEOGRAPHY	01	
09	HISTORY	20	86
10	HOME SCIENCE	05	
11	POLITICAL SCIENCE	20	
12	PSYCHOLOGY	12	
13	SOCIOLOGY	01	
14	BOTANY	23	Science
15	CHEMISTRY	35	
16	PHYSICS	28	108
17	MATHEMATICS	05	
18	ZOOLOGY	17	
19	COMMERCE	03	Commerce 03
		G.T.	330

Guidelines for the candidates

Eligibility for Ph.D. Admission Test (PAT) - 2019

(i) Candidates for admission to the Ph.D. programme shall have a Master's degree 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).

(ii) A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, will be allowed for those belonging to SC/ST/EBC/OBC/Differently-abled categories of candidates.

(iii) A candidate shall ordinarily be permitted to pursue research for the Ph.D. degree in the subject in which he/she holds Master's degree.

N.B.: Appearing candidates of Semester-IV (2017) are eligible to apply.

Exemptions from the written test of Ph.D. Admission Test (PAT) – 2019

(1)   Candidates who have secured grants for research such as fellowship/scholarship/associate ship etc. by qualifying UGC/NET/CSIR-NET/GATE/MHRDScholarships/TeacherFellowship/DBT/ICMR/ICAR/DST-INSPIRE/CSSIR, ICHR etc.

(2)   Assistant Professor, Associate Professor and Professor who have been appointed on substantive post in the UGC pay scale in the teaching departments or the University or a constituent college of the University who have completed their probation successfully with an experience of at least two years of uninterrupted service would be considered under this category. Teachers appointed in self-finance courses will not be exempted from the test.

(3)   Non-teaching employees of the University, who are holding substantive appointment for more than five years having at least 55% marks in Master's degree in the subject concerned, and with at least two research papers published in any reputed refereed journal or journals identified by the UGC would be considered under this category.

How to Apply

Application has to be made through online mode only with the requisite Test Fee and coloured self-attested photographs and thumb impression (right in case of female, left in case of male) from **19.05.2019 to 10.06.2019 11:59 PM.** No application will be accepted after the due date. Incomplete application will be rejected.

Note: *The candidates, who are exempted from PAT 2019, are also required to apply with requisite Fee.*

Test Fee

*Online Registration Charge will have to borne by the candidate herself/himself.

Serial No.	Category	Amount
1	General/B.C./EBC	Rs. 2500/-
2	SC/ST/Disabled/Women	Rs. 1500/-

Mode of Payment

Payment will be made by Debit Card/Credit Card/ Net Banking/Wallet through a gateway process.

Procedure for Ph.D. Admission Test (PAT) – 2019
Written Test

Written test will be comprised of two papers of 100 marks each.

Paper -I: **100 marks** – objective/ multiple choice questions on general and research aptitude.

Paper -II: **100 marks** – subjective type in the subject concerned based on Semester System syllabus (excluding elective papers) of the Post-Graduate courses of the B.N.Mandal University, Madhepura, Bihar.

The minimum qualifying marks for written test will be as follows:

For General candidates – 50% aggregate marks

For Reserved category candidates – 45% aggregate marks

Merit List

The subject wise merit list will be prepared on a scale of 100 including marks in Master degree; weightage on PAT/NET/BET/JRF and Interview as mentioned in the following Table i.e. maximum weightage on marks obtained in Master's Degree Programme as 70 plus maximum weightage on PAT/NET/JRF as 10 plus Interview of 20 marks.

Candidates will be selected following the prescribed reservation rules of Bihar Government.

TABLE

Model of Weightage marks to be awarded against percentage aggregate marks for Master Degree Examination is mentioned below:

Percentage Marks in Master Degree	Weightage
50% to <55%	40
55% to <60%	45
60% to <65%	50
65% to <70%	55
70% to <75%	60
75% to <80%	65
80% and above	70
Eligibility without fellowship (PAT/NET/BET)	05
Eligibility with fellowship (JRF)	10
Interview	20
Total	100

**10 marks will be given to the teachers and nonteaching employees (having more than three years' experience) as given to JRF

Instructions to the candidate

Paper I – Multiple choice questions (MCQ).

No. of Questions – 50 Full Marks: 2x50=100

Duration of examination: 1 hour

There will be no negative marking.

Students are not allowed to take out the questions booklets of Paper I.

Paper II – Essay Type/Subjective,

Duration of Examination: 2 Hours.

Test will be based on the syllabus (excluding elective papers) of the Post-Graduate Degree Courses of B.N.Mandal University.

The paper will be divided into three Groups:

Serial No.	Groups	Distribution of Marks	Description
01	A	5x6=30	Total Eight short answer type questions to be set out of which five are to be answered (expected length of each answer – 150 words approximately).
02	B	4x10=40	Total Seven questions to be set of which four are to be answered (expected length of each answer – 200 words approximately).
03	C	2x15=30	Total Four questions to be set of which two are to be answered (expected length of each answer 500 words approximately).

N.B: The candidates are directed to answer questions in sequential order.

Date of Entrance Test – 14.06.2019

Time of written Examination

PAPER	TYPE	TIME	DURATION
Paper I	Objective	11.30 A.M. to 12.30 P.M.	1 Hour
Paper II	Essay Type /Subjective	12.45 P.M. to 2.45 P.M.	2 Hours

Availability of Admission Card

PAT- 2019 admission card will be uploaded on university website in the 11th Jun 2019. The copy of admit card must be attested by Head of the Department/principal of college last attended or by gazette officer. It is necessary for the candidates to attest photograph, signature as well as put thumb impression in the admit card to appear the examination.

General information to the candidates

Shield Coding Answer book will be provided to the candidates in the examination hall 15 minutes before the start time of the examination and they will have not unshielded the answer book until and unless start single has not been given by the invigilator. If candidates unshielded the answer book prior to start of the examination they may be expelled from the Test. The successful result of Ph.D. Admission Test (PAT) will be **valid for three years** from the date of declaration/publication of result. The PAT will be under the preview of the Rule of RTI Act, 2005.

Test Centre

Test will be held at Madhepura centers and it will be communicated/announced properly in time.

Syllabus of PAT-2019

Syllabus of **Paper I** of PAT will be as follows:-

Paper-I: General and Research Aptitude Test.

All questions with multiple choices, each correct answer carries 2 Marks. There will be Full Marks: 100, Total number of Questions: 50 and no negative marking. Duration of Exam will be of 1 Hour.

There will be 7 Parts in the paper. The distribution of marks and number of questions are given in the table below:-

Topic	No. of questions	Marks	Syllabus Level
I. Research Aptitude	10	20	Mentioned below
II. Language Aptitude	10	20	High School Level
III. Logical Reasoning	05	10	High School Level
IV. Numerical Ability	05	10	High School Level
V. Data Interpretation	05	10	Mentioned below
VI. Environment and Sustainability	10	20	Mentioned below
VII. Computer and Information & Communication Technology (ICT) Awareness	05	10	Mentioned below

I. Research Aptitude: Meaning, aims, nature and scope of research Prerequisites of Research Types of research: Fundamental or Pure research, Applied research, Research Problem: Meaning of research

problem, Sources of research problem, Characteristics of a good research problem Methods of research proposal or synopsis Ethics in Research

II. Language Aptitude: High School Level

III. Logical Reasoning: High School Level

IV. Numerical Ability: High School Level

v. Data Interpretation: Qualitative and Quantitative Data Mapping of data: Representation and Interpretation of graphs

vi. Environment and Sustainability:

Sources of Air, Water and Soil Pollutions and their Mitigation, Noise Pollution Global Warming, Ozone depletion and Acid rain Current environmental issues and movements in India: Chipko movement, Silent valley, Narmada dam, Tehri dam, Almetti dam etc. Global Environmental Movements: Biodiversity Conservation and Agenda 21, Paris Convention, Montreal Protocol etc.

vii. Computer and Information & Communication Technology (ICT): Awareness General Abbreviations and Terminology of Computers and ICT Meaning, Advantages, Uses and Risks of Digitalization Basics of Internets.

Paper II Test

Paper II Test will be based on the Semester System syllabus (excluding elective papers) of the Post- Graduate Degree Courses of B.N.Mandal University.

PAT-2019 Results

PAT result 2019 will be published on the university official website. The result should be checked by the candidate from the personal login account. It is expected that result will be announced by the last week of June 2019. The result will be published in terms of overall merit-rank and category rank obtained by the candidate.

Important Dates to be remembered

Date of application:	19/05/2019
Date of closing of application:	10/06/2019
Date of downloading of admit card:	11/06/2019 (onward)
Date of entrance test:	14/06/2019
Date of publishing of results:	28/06/2019

17/05/19

CONTROLLER OF EXAMINATIONS