



PATLIPUTRA UNIVERSITY

PATNA-800020

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Ref.no:-.....276/PPU/CE/19

Date:-07/12/2019

NOTICE

Ph.D. Admission Test-(PAT)-2020

1. Patliputra University, Patna is going to conduct **Ph. D. Admission Test (PAT)-2020**, as per Regulations approved by the Governor's Secretariat, Bihar vide memo no. BSU-05/2010/2684/GS (I) dated 21/09/2017, for pursuing the Doctoral Degree in the following subjects.

Faculty of Social Science	Faculty of Science	Faculty of Humanities	Faculty of Commerce
History	Physics	Philosophy	Commerce
Political Science	Chemistry	Hindi	
Geography	Botany	English	
Economics	Zoology	Sanskrit	
Psychology	Mathematics	Urdu	
Sociology			
Home Science			
Music			

2. Number of seats in each subject:

Faculty of Social Science	No. of seats	Faculty of Science	No. of seats	Faculty of Humanities	No. of seats	Faculty of Commerce	No. of seats
History	47	Physics	53	Philosophy	40	Commerce	38
Political Science	70	Chemistry	75	Hindi	68		
Geography	17	Botany	33	English	82		
Economics	79	Zoology	35	Sanskrit	28		
Psychology	75	Mathematics	40	Urdu	23		
Sociology	17						
Home Science	10						
Music	02						

3. **Criteria for appearing in the Ph. D. Admission Test (PAT)-2020** are as follows:-

- I. 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 point scale wherever grading system is followed).
- II. A relaxation of 5% of marks, from 55% to 50%, or equivalent relaxation of grade, will be allowed for those belonging to SC/ST/EBC/OBC/Differently-abled categories of candidates.
- III. A candidate shall be permitted to pursue research for the Ph.D. degree in the subject in which he/she holds Master's degree.

Note: Appearing candidates are not eligible for Ph. D. Admission Test (PAT)-2020.

4. **Exemptions from the written Test of Ph. D. Admission Test (PAT)-2020:**

- I. Candidates who have secured grants for research such as fellowship /scholarship /associate ship etc. by qualifying UGC NET/ CSIR NET/GATE/MHRD Scholarships/ Teacher Fellowship/DBT/ICMR/ICAR/DST-INSPIRE/CSSIR, ICHR etc.
- II. Assistant Professors, Associate Professor and Professor who has been appointed on substantive post and 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-financed courses will not be exempted from the Test.
- III. Non-teaching employee of the University, who are holding substantive appointment for more than five years and 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.

Note:- Candidates, who are exempted from the written test of Ph. D. Admission Test (PAT)-2020, have to submit their application online with the payment of the required fee.

5. **Procedure for Ph. D. Admission Test (PAT)-2020.**

- I. Ph.D. Admission Test (PAT)-2020 is a written test comprising of two papers of 100 marks each.
- II. Paper-I (100 Marks)- shall comprise of objective/ multiple type questions form general and research aptitude.
- III. Paper-II (100 Marks)- subjective/objective type in the subject concerned based on the syllabus of Post-Graduate courses of Patliputra University.
- IV. Interview-(20 Marks)- It is mandatory for the applicants, who have qualified the written test and those exempted from the written test, to appear before the Interview Board.
- V. The minimum marks to qualify the written test will be as follows:
 - a) For General Candidates:- 50% of the aggregate marks
 - b) For Reserved Category Candidates:- 45% of the aggregate marks.

Note:- 1. The selection of the candidate will be on the basis of the marks obtained in the written test and the interview combined together.

2. Seats shall be allotted as per the availability of vacancies and against the reservation norms.

6. **Pattern of Question Papers and syllabus:**

Paper-I-Multiple Type Questions

Number of questions- 50

Duration of Examination- 1 Hour

No negative marking for wrong answer

Examination will be conducted on OMR sheet. Students are not allowed to take the question booklet with them.

Paper II- Subjective. Duration of Examination- 2 Hours

Based on the syllabus of the Post-Graduate Courses of the University.

The paper will be divided into three Groups.

Marks distribution-

Group A- 30 Marks- $5 \times 6 = 30$

Group B-40 Marks- $4 \times 10 = 40$

Group C- 30 Marks- $2 \times 15 = 30$

Group A- 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)

Group B- Total **seven questions to be set** of which **four** are to be answered (expected length of each answer- 200 words approximately)

Group C- Total **four questions to be set** of which **two** are to be answered (expected length of each answer 500 words approximately).

The candidates are directed to answer questions in sequential order.

7. Ph. D. Admission Test (PAT)-2020 would be conducted on 09/01/2020. The time and venue would be decided as per the applications received.

Time of Written Examination

Paper I- (Objective)- 1 Hour

Paper II (Subjective)- 2 Hours

8. **Schedules for Ph.D. Admission Test(PAT)-2020:**

I. Start of submission of Online Form: 08th December, 2019

II. Last date of submission of Online Form: 22nd December, 2019

III. Last date of submission of Online Form with late fine of Rs. 500/-: 23rd December, 2019 to 25th December, 2019

IV. Date of Examination; - 09th January, 2020.

9. The online applications will be filled on the online payment of fee as per follows:- Rs. 1500/- (One Thousand and Five Hundred only) for applicants belonging to General and B.C.-II category; Rs. 1000/- (One Thousand only) for applicants belonging to S.C., S.T. and B.C.-I category. Late fine for online submission of application:- 500/- (Five hundred only).

10. Reservation will be followed as per the norms of reservation of the Government of Bihar.

11. The result of the Test will be valid for three years after the declaration of the result.

12. Scrutiny of the answer book shall not be allowed.

13. The Ph. D. Admission Test (PAT)-2020 will be under the preview of the Rule of RTI Act, 2005.

Syllabus for Paper-I-(General and Research Aptitude Test)

Brief outline of the topics to be covered in paper- I

No.	Topics	No. of questions	Marks	Syllabus level
1.	Research Aptitude	10	20	Mentioned below
2.	Language Aptitude	10	20	High School level
3.	Logical Reasoning	05	10	High School level
4.	Numerical Ability	05	10	High School level
5.	Data-Interpretation	05	10	Mentioned below
6.	Environment and Sustainability	10	20	Mentioned below
7.	Computer and Information and Communication Technology	05	10	Mentioned below
	Total	50	100	

- I. Research Aptitude:
Meaning, aim, nature and scope of research; Prerequisites of Research; Types of Research; Fundamental or pure research, applied research; Research Problem: Meaning of research problem, source of research problem; Methods of Research; Research Proposals and 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 issue and movements in India: Chipko Movement, Silent Valley, Narmada Dam, Tehri Dam, Almetti Dam. Etc.
Global Environmental Movements, Bio-diversity, and Agenda 21, Paris Convention, Montreal Protocol etc.
- VII. Computer and Information & Communication Technology (ICT) Awareness:
General Abbreviation and Terminology of Computers and ICT, Meaning, Advantages, Uses and Risks of Digitalization, Basics of Internets.

Syllabus for Paper-II

Subject specific test, subjective type in the subject concerned based on the syllabus (excluding elective papers) of the post-graduate courses of Patliputra University, Patna.

Sd./-


Controller of Examinations
Patliputra University, Patna
PATNA

Dated: 07/12/2019

Memo. No. 276/PPU/CE/19