(3) 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 identitied by the UGC would be considered under this category.

(3) Procedure for Ph.D. Admission Test (PAT) - 2025

1. The PAT is a written test comprising 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 syllabus (excluding elective papers) of the Post-Graduate courses of the Patna University.

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

For General candidates   – 50% aggregate marks

For Reserved category candidates   – 45% aggregate marks

The applicants who have qualified the PAT would be required to appear before an interview board.

Interview   **- 20 marks.**

It is mandatory for all including exempted candidates to appear before the interview Board.

Paper I – Multiple Choice type

         No. of Question – 50

         Duration of examination – 1 hour.

         No negative marking.

Examination will be conducted on OMR sheet.

Students are **not allowed** to take out the question booklet of Paper I.

Paper II – Subjective.

Duration of Examination - 2 Hours.

Based on the syllabus (excluding elective papers) of the Post-Graduate Course of Patna University.

     The paper is divided into three groups.

     Marks Distribution -   Group A – 30 marks – 5x6 = 30

                            Group B – 40 marks – 4x10 = 40

                            Group C – 30 marks – 2x15 = 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.

(4) Date of Entrance Test – ....

     Time of written Examination

     Paper I (objective) – .... (1 hour)

     Paper II (subjective) – .... (2 hours)

5. **The result of PAT** will be valid for three years after declaration of result.

6. **Scrutiny of answer book** shall not be allowed.

7. **The PAT - 2025 will be under the preview of the Rule of RTI Act, 2005.**

Syllabus of Paper I

Ph.D. Admission Test (PAT) of Patna University consists of two papers:

A. Paper – I : General and Research Aptitude Test.

B. Paper – II : Subject Specific Test. Subjective type in the subject concerned based on syllabus (excluding elective papers) of the Post-Graduate courses of the Patna University.

Paper – I : General Aptitude and Research Aptitude Test

All questions with multiple choices, each correct answer carries 2 marks.

Total Marks : 100

Total Questions : 50

No negative marking system.

Duration of Entrance Exam: 1 Hour

The paper consists of 4 Parts. The distribution of marks and number of questions are mentioned in the table below:-

Topic	No. of questions	Marks	Syllabus/Level
2. 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

Research proposal or synopsis

Ethics in Research

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.

Sd/-

Controller of Examinations
Patna University, Patna

Memo No. 6233/Exam.   Dated – 08.05.2025

Copy forwarded to the In charge, I.T. Cell, Patna University Computer Centre for uploading the guidelines.

08.05.2025

Controller of Examinations
Patna University, Patna

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