

# MAGADH UNIVERSITY

## BODH GAYA-824234

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*Ref. No:-*

*Date:-*

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

1. Pd. D. Admission Test (PAT)-2020, is going to be conducted by Magadh University, Bodh-Gaya as per regulations approved by the Governor's Secretariat, Bihar vide memo no. BSU-05/2010/2684/GS(1) dated 21/09/2017 for pursuing the Doctoral Degree.
2. **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 grade, will be allowed for those belonging to SC/ST/EBC/BC-1 /OBC/Differently-abled/ Women categories.
  - 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 in a subject/ allied subject from a recognized University.
  - IV. Pass marks separately for each paper is 35 for general category and 30 for reserved category.
3. **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/CMR/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 referred 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.**

- a. **Candidates who have already cleared PRT Test earlier need not apply but have to appear in the interview.**
- b. **Candidates who have already applied for this test need not apply again.**

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

- I. Ph.D. Admission Test (PAT)-2020 is a written test comprising two papers of 100 marks each.
- II. Paper-1 (100 marks) - shall comprise objective/ multiple choice questions from general and research aptitude syllabus.
- III. Paper- II (100 marks) – subjective / objective type on the subject concerned based on the syllabus of Post-Graduate (2016-2017) course of Magadh University, Bodh-Gaya.
- 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 on the basis of marks obtain in PAT and NET respectively.
- 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:-**

- a. The selection of the candidate will be on the basis of the marks obtained in the written test and the interview combined together.
- b. Seats shall be allotted as per the availability of vacancies.
- c. The result of PAT will be valid for three years after declaration of result.

#### **5. Pattern of Question Papers and syllabus:**

##### Paper-1: Multiple choice Questions

- Number of questions- 50.
- Duration of Examination -2 hours
- No negative marking for wrong answers
- Examination will be on OMR sheet. Students are not allowed to take the question booklet with them.

##### Paper- II: Subjective. Duration of Examination- 3 hours

- Based on the syllabus of Post-Graduate Courses of the University.
- The paper will be 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.**

**6. The time and venue would be decided as per the application received.**

**Time of written Examination**

- Paper 1- (Objective) – 2 hours
- Paper II – (Subjective) – 3 hours

**7. Schedules for Ph.D. Admission Test (PAT) – 2020:**

- Last date of submission of online form with late fine is 16/01/2020.

8. The online application will be filled on the online payment of fee as per follows:- Rs 1500/- (One Thousand Five Hundred only) for applicant belonging to General; Rs 1000/- (One Thousand only) for applicant belonging to SC,ST, EBC, BC-1, BC-2, OBC , Differently abled and Women category.

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

**10. Syllabus For Paper-1 (General and Research Aptitude), common for all subjects:**

**Brief Outline of the topics to be covered in paper-1**

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 Aptitude** - 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:**

Source 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 ;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 Internet.

#### **11. 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 Magadh University Bodh-Gaya.