Letter No. :- E8tb/1693/2023   Date: - 13./02/ 2023

Ph.D Admission Test (PAT)-2023

(As per common ordinance & regulation approved by the Governor's Secretariat, Bihar vide Memo No.BSU-05/2010/2864/GS (I) dtd.21.09.2017 & Letter No. BSU (Regulation)-05/2010/3230/GS (I) dtd.18.12.2018).

Candidates having 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 as applicable in a point scale wherever grading system is followed), and a relaxation of 5% marks from 55% to 50%, or an equivalent relaxation of grade ,will be allowed for those belonging to SC/ST/EBC/BC/EWS/Differently– abled Categories may apply for PAT-2023 through online link available on university website- https://www.mungeruniversity.ac.in upto 15th March 2023.

1.   **PAT will be conducted in following subjects** :-

i.   Faculty of Science- Botany, Physics, Chemistry, Mathematics & Zoology.

ii.   Faculty of Social Sciences- History, Political Science, Geography, Economics, Sociology, Psychology, Home Science, Music.

iii.   Faculty of Humanities- Hindi, English, Sanskrit, Urdu, Philosophy, Bangla.

iv.   Faculty of Commerce- Commerce.

Note –

- The Subject wise vacancy will be announced later on.
- In case of allied disciplines/ interdisciplinary subjects, the Departmental Research Commitee (DRC) of the respective department/s would be taking an appropriate decision which would be binding on the candidate.

Eligibility for PAT-2023:-

a)   Candidates having 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 as applicable in a point scale wherever grading system is followed).

b)   A relaxation of 5% marks, i.e. from 55% to 50%, or an equivalent relaxation of grade, will be allowed for those belonging to SC/ST/EBC/BC/EWS/Different abled categories of candidates.

c)   A candidate shall ordinarly be permitted to pursue research for the Ph.D. Degree in the subject in which he/she holds Master's Degree.

Exemption from the written test of PAT-2023

a)   Candidates who have secured grants for research such as fellowship/Scholarship/associate ship   etc.   by   qualifying   UGC-NET/CISR-NET/GATE/MHRD   Scholarships/Teacher fellowship/DBT/ICMR/ICAR/DST-INSPIRE/CISR, ICHR etc.

b)   Assistant professor, Associate professor and Professor who has been appointed on substantive post in the UGC Pay scale in the Teaching Department/Constituent College of the University who have completed their probation successfully with an experience of at least two

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years of uninterrupted service would be considered under this category. Teachers appointed in self finance courses will not be exempted from the Test.

c)   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 subjects concerned and with at least two research papers published in any reputed refereed journal or Journals indentified by the UGC would be considered under this category.

- Candidates exempted from PAT-2023 are also required to apply online with requisite fee. They will have to appear directly before interview board.

3. Procedure for Ph.D. Admission Test (PAT)-2023

PAT is written test comprising two papers of 100 marks each. Paper-I will consist of multiple choice questions on qualititative, teaching and research aptitude. The paper-II will be subjective type in the subject concerned based on syllabus of the Post Graduate Courses of the Munger University.

Paper-I

No. of MCQ Questions – 50 (of 02 marks each)

Full Marks – 2x50 =100

Duration of Examination – 01 Hour.

There will be no Negative Marking.

The distribution of marks and no of questions are as below:-

Topic	No. of Questions	Marks	Syllabus/Level
A. Research Aptitude	10	20	Mentioned below
B. Language Aptitude	10	20	High School level
C. Logical Reasoning	05	10	High School level
D. Numerical Ability	05	10	High School level
E. Data Interpretation	05	10	Mentioned below
F. Environment & Sustainability	10	20	Mentioned below
G. Computer and Information & Communication Technology (ICT) Awareness.	05	10	Mentioned below

A. Research Aptitude :-

Meaning, Aims and scope of research

Prerequisites of research

Types of Research: Fundamental of 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.

E. Data Interpretation :-

Qualitative and Quantitative Data

Mapping of Data: Representation and Interpretation of graphs.

F. Environment and Sustainibility:-

Sources of Air, Water and Soil Pollutions and their mitigation, Noise Pollution

Global Warming, Ozone depletion and Acid rain.

Current environmental issues and movement in India : Chipko Movement, Silent Valley, Narmada Dam, Tehri Dam, Almetti Dam etc.

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Global Environmental Movements: Biodiversity Conservation and Agenda 21, Paris Convention, Montreal Protocol etc.

G. Computer & Information & Communication Technology Awareness:-
General Abbreviations and Terminology of computers and ICT.
Meaning, Advantages, Uses and Risks of Digitalization, Basis of Internet.

Paper-II
Full marks: 100 Marks
Duration of Examination – 02 Hours
Paper –II will be divided into two groups:

Groups	Marks	Descriptions
A	40	Total '12' short answer type questions. Out of which '8' are to be answered. Each question contains '5' marks.
B	60	Total '10' Questions. Out of which '6' are to be answered. Each question contains 10 marks.

The minimum qualifying marks for written test will be as follows:-
For UR Candidates: 50% Aggregate marks.
For Reserved Category Candidates: 45% Aggregate marks.

*The Result of PAT-23 will be valid for three years from the date of publication of result.

4. Final Merit list:

The subject wise merit list will be prepared with a weightage on PAT/NET/BET/SLET/JRF and interview.

Note:
- Date of Entrance Test – 09/04/2023.
- Application Fee for PAT-2023:
  (1). UR- Rs. 3000.
  (2). SC/ST/EBC/BC/PWD/EWS Category: Rs. 2500

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Registrar
Munger University, Munger

13/02/23

Nitesh Kumar