

THE WEST BENGAL UNIVERSITY OF HEALTH SCIENCES

DD – 36, Sector – I, Salt Lake, Kolkata – 700 064

Website: www.wbuhsexams.in/www.wbuhs.ac.in

(Tel no. 2321-3461 / 2334-6602)

Please click on <http://phd.wbuhsexams.org> for the Online Application Form



Information Booklet
Regulation for admission to
Ph. D Program

The University has published “Regulation for Award of Ph. D Degree in Health Sciences”. In such document provisions are made for the followings:

01. Objectives of the Ph.D program
02. Eligibility criteria for admission in the Program
03. Duration of program
04. Attendance requirement for full-time and part-time candidates
05. Procedure for selection and admission Process.
06. Registration
07. Eligibility criteria and allocation of Re-Search Supervisor / Co-Supervisor
08. Criteria of Ph.D Research centres
09. Structure of Ph.D program and monitoring
10. Minimum Standards and procedures for award of Ph.D Degree
 - a. Course Work
 - b. Research proposal confirmation
 - c. Submission of conclusion report / final synopsis / draft thesis
 - d. Pre-Ph.D seminar
 - e. Submission of thesis
 - f. Evaluation of thesis
 - g. Viva-voce and open defence of thesis
 - h. Depository with UGC
 - i. Award of Ph.D degree
 - j. **For candidates pursuing Ph.D Programme, there is no scholarship / grant or any other pecuniary support from the University.**

Eligibility criteria for admission to Ph.D programme

- (1) A candidate who has obtained **Master’s degree or equivalent Post Graduate degree** recognized by corresponding regulatory bodies in various disciplines of **Basic sciences, Medical sciences, Dental sciences, Homeopathy, Ayurveda, Unani, Nursing, Paramedical and Allied Health sciences** with at least 55% marks in aggregate [A relaxation of 5% marks (i.e. 55% to 50%) may be allowed for those belonging to ST/SC/ OBC (non-creamy layer)/ differently abled and other categories of candidate as per decision of the concerned authorities from time to time] including the following which will be considered additional qualification:
 - (a) 2 years of continuous approved experience after obtaining post-graduate degree in academic or research related work in relevant field in state/ national/ government R&D institute/ accredited laboratories etc.
 - (b) Demonstrated research experience in the form of first or second authorship in 2 publications in peer-reviewed /indexed/ national/ international/ refereed journals (if the candidate is second author, first author must be his research guide or supervisor).
 - (c) Presented at least one paper in national/ international workshop/ seminar/ conference etc.
 - (2) Applicants with **M.B.B.S. or equivalent degree** in other allied health sciences with excellent academic record with minimum 55% marks in all professional examinations may be considered eligible to pursue Ph.D programme in health sciences with the following requirements:
 - (a) 3 years of continuous approved experience in academic or research related work in relevant field in state/ national/ government R&D institute/ accredited laboratories etc.
 - (b) Demonstrated research experience in the form of first or second authorship in 3 publications in peer-reviewed / indexed/ national/ international/ refereed journals (if the candidate is second author, first author must be his research guide or supervisor).
 - (c) Presented at least one paper in national/ international workshop/ seminar/ conference etc.
- Note:** Meeting all admission criteria is not a guarantee of acceptance in Ph.D programme.

On- line application forms be filled up. Print copy of the same is submitted, along with scanned signature and photograph of candidate, thumb impression and Bank Draft of Rs. 5000/- and photo copy of identity card (EPIC/ Passport / Adhar is to be submitted to the University as per schedule enclosed in Annexure II .

Procedure for Admission:

Admission of candidates by a two-stage process through: Admission test and Interview (including Academic Excellence).

Ph.D Entrance Examination-It has two components :

(a) Research Aptitude Test:

Question: Objective (MCQ)

No. of Questions: 60. Full Marks: 60. No negative marking for wrong answer.

(b) Writing Skill: Analytic skills: Reasoning & essay writing etc. on Scientific topic.

Full Marks: 40

Time: 50 minutes for answering MCQ and after half an hour recess, 40 minutes for testing writing skill.

50 marks (50% of 60+40) will be the qualifying marks (Research Aptitude Test and Writing skill taken together) to become eligible for interview.

- **Exemption from Admission test:** A candidate may be exempted from appearing in Ph.D entrance examination if he / she fulfils at least **one** of the following conditions:

(A) Qualified in UGC-NET (including JRF), CSIR, DST, DBT, ICMR, UGC, ICHR or other national / state level fellowship through a national / state level screening test.

Or

(B) Regular faculty members subject to fulfillment of following conditions:

- (i) Successfully completed 5 or 5 ½ years undergraduate program and 3 years postgraduate program leading to a recognized PG degree without any interruptions **and**
- (ii) At least 5 years of continuous teaching/ research experience after obtaining recognized Post Graduate degree **and**
- (iii) At least two publications in peer reviewed / national / international / indexed / refereed Journal.

Syllabus for Research Aptitude Test:

- (2)Project skills: Methods of scientific query, literature survey, study designs, clinical trials, writing research proposals, academic writing skills, simple presentation techniques, ethical issues pertaining to humans and animals
- (3)Basic statistics: Statistical tools, sample size calculation, measures of central tendency and dispersion, percentage, range, confidence intervals, tests of significance, p-value, standard error of mean, tests of comparison, sensitivity, specificity, parametric and non-parametric tests (Chi-squared analysis, Pearson correlation, Student's T-test), Analysis of variance and co-variance, familiarity with statistical software packages e.g. SPSS, SAS.
- (4)Basic sciences: Anatomy, physiology and biochemistry in normalcy, basics of genetics, basic laboratory investigations and imaging tools, basic principles of management of diseased states, nursing and rehabilitation measures.
- (5)Social, community and environmental issues: Epidemiology - prevalence, incidence etc., communicable and non-communicable diseases, emerging health issues, environmental related health, demography and demographic variables, family planning, social aspects of health, nutrition indices, BMI, body circumference, skin fold thickness.

B. Personal Interview by interview board:

(Only candidates who qualified in Research Aptitude Test and candidates of Exempted category will be called for Interview).

- a) Marks: 20
- b) Subject/ Topic: Subjective based on research proposal.
- c) The interview shall also consider the following aspects:
 - 1. The candidate possesses the competence for the proposed research.
 - 2. The research can be suitably undertaken at the institution/ college.
 - 3. The proposed area of research can contribute to new/ additional knowledge.

Interview Board:

Minimum 2/3 subject experts shall be proposed by respective faculty and approved by Hon'ble Vice-Chancellor.

Dean of respective faculty will act as Chairperson of said interview board.

Interview board shall submit their recommendation including marks obtained by each candidate to the Ph.D admission committee.

Provisional Selection by Ph.D Admission Committee: Selection of candidates will be through interview (20 marks) and academic excellence as per records and related work/ research experience/ publications/ presentations (40 marks). A candidate will be eligible for provisional selection if s/he gets minimum 30 marks (i.e. 50%) out of 60 (20+40).

Performance in previous University examinations, publications, presentations, experience: 40 Marks

Breakup of 40 marks is given below:

- | | |
|---|----|
| 1. Performance in previous University examination (60% and above marks): | 10 |
| 2. Approved research work/ academic experience: | |
| i. 3 years & above | 10 |
| ii. 2 years: | 05 |
| 3. Demonstrated research experience in 1 st /2 nd authorship: | |
| i. 3 publications: | 15 |
| ii. 2 publications: | 10 |
| iii. 1 publication: | 05 |
| 4. Presentation of papers in workshops/ seminars/ conferences: | 05 |

Short list of selected candidates will be prepared by the Ph.D Admission Committee considering the criteria / performance as mentioned above. Recommendation of Ph.D Admission Committee for admission shall be approved by the Hon'ble Vice-Chancellor.

Applicants who will become eligible through written test are provisionally allowed to appear in the interview.

Interview for Ph.D course will be made through personal appearance strictly.

Eligibility for appearing in interview as well as the date and time of interview will be available on the official website of the University [www.wbuhs.ac.in / www.wbuhsexams.in]. An Interview will be conducted as per schedule uploaded in the official website.

Admit card for written test can be downloaded by putting acknowledgment number / mobile number of the candidate as scheduled annexed.(**ANNEXURE-I**). **List of eligible candidates will be displayed in the website. On the basis of choice of topic of thesis interview will be arranged by the University.**

The candidate appearing for interview will have to bring the following original documents along with their attested copies (Self attested) at the University premises:

[The following documents will have to be produced to participate in the interview]

- (i) Admit Card.
- (ii) Internship completion certificate (if applicable).
- (iii) Permanent/ Provisional Registration Certificate (if applicable).
- (iv) PG Degree certificate and UG degree certificate.
- (v) ST/SC/OBC (including OBC-A, OBC-B) certificates.
- (vi) All authenticated documents in respect of teaching experience, research experience, publication, NOC from present employer and other related documents to be produced before appearing for interview.
- (vii) School leaving certificate as proof of age.
- (viii) SC/ST/PC/OBC including OBC-A and OBC-B certificate (For OBC, current certificate be provided).
[Applicable only for those candidates who will avail relaxation of marks on the basis of above mentioned certificates before appearing at the Ph.D Entrance Examination].
- (ix) All academic marksheets.
- (x) EPIC/ Passport / Adhar as photo identity card.
- (xi) Experience certificate in the subject concerned.
- (xii) Any other documents relevant to the course by the admitting institution.
(Academic excellence must tally with information provided during submission of form)

Other relevant information:

During the tenure of the course, candidate will not be allowed to appear at any other entrance test neither in this University nor in any other institution. However she/he can apply only after submission of resignation from Ph.D Program through proper channel.

Candidate will fill in forms accurately and write appropriate name of the University in the bank draft, otherwise his/her application will not be considered and bank draft will be returned on his/her personal appearance at the University after the examination is held.

GENERAL RULES AND PROCEDURAL DIRECTIVES

1. Applicants should go through and strictly follow the instructions given in the Information Booklet as published in www.wbuhs.ac.in / www.wbuhsexams.in March , 2017, while applying for Ph.D Admission test. Application must be complete in all respect. Incomplete application will not be entertained.
2. The Print-copy of the application along with a crossed Demand Draft of Rs. 5000/-drawn in favour of “The West Bengal University of Health Sciences” payable at Kolkata, are to be submitted either by hand or by Speed/ Registered post to the office of the [‘Controller of Examinations’, West Bengal University of Health Sciences, DD-36, Sector- I, Salt Lake, Kolkata-700064] within specified date in the schedule. The application must reach the office of the WBUHS within 27.3.2017 by hand and 29.03.2017 by speed post/registered post. Candidates are requested to write their name and telephone no. along with the acknowledgement no. given in the application form at the back of the bank draft.
3. No document is to be submitted with application form. Candidates who will be eligible for interview are required to submit all relevant documents, at the time of Interview, in support of his/her candidature expressed during filling up form.
4. Submission of incorrect or false statements / documents or suppression of material information in the application form will be considered as sufficient ground for cancellation of the candidature or the admission of the candidates to the Ph.D course whenever detected, i.e. during the process of admission or even at any stage thereafter.
5. The selection / admission of a candidate shall stand cancelled if he / she is found guilty of copying from any material whatsoever or of taking the help of any electronic media / devices during the examination, or of assisting others or of being assisted by others in any manner whatsoever in writing the answers during the examination. In this context, decision of the Centre-in-Charge and/or University Observer will be final and binding.
6. Admit Card will have to be downloaded from the University website through putting acknowledgement number (given in the application form) and date of birth of the candidate. It will be put in the website prior to four days of the examination. Candidate may like to visit his form by putting Acknowledgement number and date of birth.
7. Multiple Choices Answering Method through Optical Mark Recognition (OMR) will be followed for MCQ.
 - I) The test will be objective in nature and for each question four suggested answers will be given of which one answer will be best response.
 - II) The Answer Sheet will be machine-scored and therefore requires specific procedure to be followed as given below:
 - ☐ The answers will be marked only by blue/ black ball-pen. The pencils are NOT TO BE USED.
 - ☐ The method of marking answers is indicated below:
 - ☐ Each question will be followed by answers marked as (a), (b), (c) or(d). Select the most appropriate answer. Then, using blue/ black ball pen blacken the circle bearing the correct answer index against the serial number of the question on the answer sheet completely.

8. The qualified candidates whose names will be published in the Provisional Merit List will have to submit all the attested copies (self attested) of supporting documents along with originals for verification of their eligibility to the course during interview.
9. The list of eligible candidates and the date, time and venue of interview will be notified in the notice-board of the WBUHS and will also be available on the official website of the University: website< www.wbuhs.ac.in/ www.wbuhsexams.in >. No communication in this regard will be made to the candidates personally.
10. Candidates selected for admission shall have to get themselves admitted within the specified date to be mentioned in the offer letter to be issued after interview.
11. No travel allowance is admissible for appearing in the written examination or for attending interview.
12. No personal communication will be made to the candidates, unless it is considered absolutely necessary by the University authority.

ANNEXURE-I

Selection schedule for PH. D Programme.

Forms to be submitted Online in www.wbuhsexams.in	Between 11 .03.2017 (6 pm) to 24.03.2017 (6:00 pm)
Submission of print-copy of forms along with bank draft at W.B. University of Health Sciences (except Saturday, Sunday and Holidays)	Between 11 .03.2017 to 27.03.2017 (11.30 a.m. to 4.00 p.m.)
Print-copies will not be received in the office of the WBUHS in person after 27.03. 2017(4 P.M) Print copies sent by Speed/ Registered post will be received up to 29.03.2017, provided the Bankers' cheque/ Demand Draft are purchased on or before 24.03.2017. .	
Admit Card will be made available directly from website	12.04.2017 (6 P M Onwards)
Date of Written Test	17.04.2017
Declaration of result	To be notified later on
Date of Interview	To be notified later on
Publication of list of eligible candidates.	To be notified later on

Guidelines for Submission of Application

****1.** A candidate seeking admission is required to submit his/ her application **online** by logging on www.wbuhsexams.in/www.wbuhs.ac.in Application submitted by all other means will be summarily rejected.

****2.** The candidate will, first of all, visit the university website www.wbuhsexams.in/www.wbuhs.ac.in through internet. She/he is required to go through the relevant '**Information Booklet**' carefully and acquaint himself / herself with all requirements regarding filling in the application form.

****3.** Fill in the "**Online Application Form**" carefully by selecting appropriate options or by typing in appropriate places. Please do not skip any point. Attach your scanned recent passport size photograph and signature in appropriate places. Then click "**submit**" at the bottom of the page to see what you have entered.

4. Please check the details of your entry in the next page. If you want to change anything, go back to first page and fill again. After clicking "**Submit**" a page will appear with an

“Acknowledgement number”. Take a print out of that page and keep the record with you. This is needed for future communication. After that more pages will appear. Fill up as per instruction. Attach bank draft details correctly. Attach scanned photo and signature in the proper place.

Once submitted, no request for change of any entry will be entertained by the University. Take print of those pages. Print-out of these pages will have to be submitted to the office of the “Controller of Examinations, West Bengal University of Health Sciences (WBUHS), DD-36, Sector-I, Salt Lake, Kolkata-700064” after:

- i) Pasting one current photograph at the appropriate place of the candidate duly snapped after the date of publication of this booklet Photograph will contain name and date).
- ii) Putting the candidate’s signature at appropriate places.
- iii) Put your left thumb impression in the space provided.
- vi) Attaching the bank-draft / pay order for Rs. 5000/- in favour of **“The West Bengal University of Health Sciences”** payable at **Kolkata**.
- vii) Attaching photocopy of EPIC/ Voter ID/ Driving License / Passport / PAN / Adhar Card.

****1. The instructions given in the print-outs are to be followed scrupulously. The printed hardcopies are to be submitted to the WBUHS either personally or by registered post/ speed post, so as to reach the WBUHS on or before the prescribed last date.**

****2. Please keep photocopy of the pages to be submitted.**

****3. All forms submitted after the stipulated last date/ all incomplete or invalid forms will be rejected without any further reference to the candidate and the fees submitted, if any, will be forfeited as processing charges.**

Date: 10/03 /2017

Controller of Examinations
The West Bengal University of Health Sciences

INSTRUCTIONS FOR ANSWERING THROUGH Optical Measuring Report (OMR) :

Before writing anything on OMR Sheet, please read very carefully the instruction from beginning to end.

The OMR answer sheet has two parts :

- (a) Identification information on the left hand side.
- (b) Answer sheet on the right hand side.

(A) Identification information (on the left hand side):

Follow the steps carefully :

Step 1 : Check the 6 digit Question Booklet Number

Step 2 : Enter the 6 digit number in the boxes against the 'Question Booklet No' in the OMR sheet; one digit in each box by blackening the corresponding circles below.

Step 3 : Enter the 9 digit Roll Number in the boxes provided against 'Roll Number' in the OMR Sheet; one digit in each box by blackening the corresponding circles below.

Step 4 : Put your full signature in the box provided.

(B) Answer sheet (on the right hand side): Please be careful while filling up OMR Sheet :

Step 1 : Use serial nos. 1 to 60 in the right hand side of the OMR Sheet. **Please do not Use Serial No. 61 to 200 in that event your OMR Sheet will not be scanned by the Computer**

Step 2 : Check the 'Question Booklet Series' on your Question Booklet. It may be any of the alphabets – A/B/C/D/E.

Step 3 : Enter the alphabet in the corresponding box against 'Question Booklet Series' in the OMR Sheet (on the right hand side)

Step 4 : Blacken the corresponding round containing the same alphabet adjacent to the box.

Step 5 : Against each question serial number, there are four rounds containing alphabets a/b/c/d. Answer by blackening the rounds containing the alphabet

corresponding to the answer of your choice. **Blacken the round completely only by the blue or black ball point pen supplied by the University.**

(C) Details on marking on OMR Sheet.

(i) the OMR Sheet will be machine scanned.

- **Do not put any pen/ other mark anywhere except in places as detailed above.**
- **Do not tamper with the 'Bar Code' on the OMR Sheet.**
- **Do not fold the OMR Sheet.**

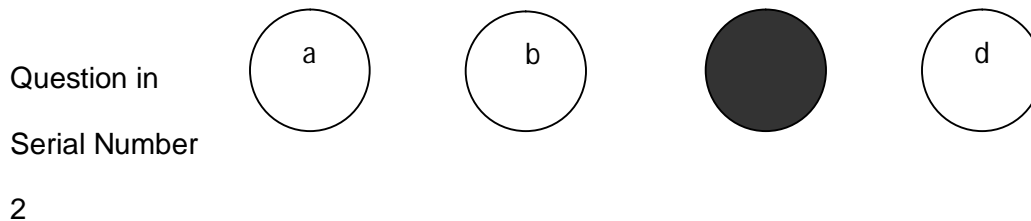
The method of marking answers is indicated below :



P.T.O.

Select the most appropriate answer

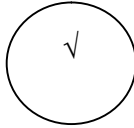
Then using the blue or black ball point Pen supplied by the University, blacken the appropriate round (alphabet a/b/c/d) against the correct answer of the question number in serial no. 2 (c) on the answer sheet (OMR Sheet). For example, if the most appropriate answer for question 2 is (c), it should be marked as follows :



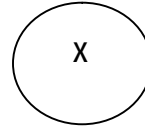
ii Please note : You **SHOULD NOT USE** any type of pencils or any other ball point pen other the one ball point pen supplied by the University.

iii Some Wrong Methods of Marking Answers :

(Use of Tick Mark)



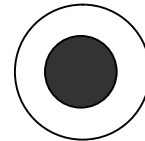
(Use of Cross Mark)



(Half Filled Round)



(Use of dot)



iv. You need not make special efforts to darken any round artistically.

(D) The following instructions should carefully be noted by each candidate :

- (1) On receipt of Question Booklet the candidate should verify the Question Booklet Series and Roll Number as pasted in the question booklet.**
- (2) After completion of examination the candidate should return the question booklet duly inserted in the envelope and the OMR Sheet separately to the Invigilator/Hall-in-Charge.**
- (3) Left thumb impression should be given in the Attendance Sheet in the box provided.**
- (4) Please ensure that your Name, Roll Number and Signature are put in the boxes provided in the cover page of the Question Booklet.**
- (5) Please ensure that the Invigilator/Hall-in-Charge puts his/her signature in your Question Booklet and your OMR Sheets in the boxes provided.**

(E) Other Important Issues :

- I. Please go through the instructions on the Admit Card**
- II. There will be no deduction for incorrect and non attempted MCQ.**

WEST BENGAL UNIVERSITY OF HEALTH SCIENCES
PART - 1

ANSWER SHEET SERIAL NUMBER

A17960

QUESTION
BOOKLET NUMBER

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

ROLL NUMBER

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

SIGNATURE OF THE CANDIDATE

SIGNATURE OF THE INVIGILATOR

A17960



↑↑
IF A CANDIDATE
THE BARCODE HE
SCRIPT WILL BE