

2019-20

**Post Graduate School  
Indian Agricultural Research Institute, New Delhi**

**REPORT OF THE EXAMINATION COMMITTEE CONSTITUTED FOR ADMISSION TO THE Ph.D.  
DEGREE PROGRAMME AT IARI, IIHR and CIAE FOR THE ACADEMIC SESSION 2019-20**

Good Morning to all of you. I am happy to present before this august body the recommendations of the Examination Committee on the admission to Ph.D. degree courses at IARI, New Delhi, and IARI PG Outreach Programme at CIAE, Bhopal and IIHR, Bengaluru.

For the sixth consecutive year, applications for admissions to Ph.D. courses at our sister institutes, namely, CIAE and IIHR were also invited. Applications were invited online for admission to the Ph.D. degree programme in (i) 26 disciplines at the Indian Agricultural Research Institute, New Delhi, (ii) Agricultural Engineering discipline at CIAE, Bhopal (Sub-disciplines: Agricultural Processing & Structure, Farm Power & Equipment, and Soil & Water Conservation Engineering), and (iii) Floriculture & Landscaping Architecture, Fruit Science, Vegetable Science and PHT of Horticultural Crops at IIHR, Bengaluru, respectively, for the Academic Session 2019-20 in March 2019, with April 22, 2019 as the last date for submission of applications. A total of 2503 eligible applications were received by the PG School, IARI, and these candidates were allowed to appear for the written examination. A total of 1938 candidates appeared for the written examination which was held on May 26, 2019 at 13 Centres (Anand, Bengaluru, Coimbatore, Delhi, Guwahati, Hyderabad, Jabalpur, Kolkata, Ludhiana, Patna, Pune, Udaipur and Varanasi) spread across the country.

Based on the performance in the written examination, the Examination Committee recommended the names of 1052 candidates for interview in various disciplines, of which 845 appeared for the interview in the respective disciplines. The candidates were interviewed in the respective disciplines on July 8 & 9, 2019 by the Interview Boards duly constituted by the Director and Chairman of the Academic Council, IARI.

The results of the entrance examination were compiled by the Examination Committee on the basis of the marks obtained by the interviewed candidates in the written examination, interview and their respective academic scores. The Provisional Final Result as recommended by the Examination Committee, is placed for the consideration and approval of the Academic Council.

The Committee recommends 246 candidates for filling up the 246 seats under the Open Scheme at IARI/IIHR/CIAE as approved by the Academic Council in its 408<sup>th</sup> meeting held on December 14, 2018 and revised for implementation of 10% reservation for Economically Weaker Sections (EWSs). This includes 7 Physically Challenged candidates. In addition to this, 22 other candidates are recommended for admission which includes 10 under ICAR In-service, 3 under the Faculty Up-gradation Scheme, 1 under Departmental Scientific Scheme, 3 under Departmental Technical Scheme and 5 under CWSF. Thus, a total of 268 candidates are

recommended for admission to the Ph.D. programme at PG School, IARI for the Academic Session 2019-20, which includes 14 candidates for CIAE, Bhopal and 12 candidates for IIHR, Bengaluru for PG Outreach Programme at sister Institutes.

#### A. Admission of candidates under the Open Scheme

##### • IARI, New Delhi

- (i) Under the **GENERAL/UNRESERVED** category in the Open scheme, **90 seats** were available for admission at IARI. 60 candidates belonging to categories other than UNRESERVED (EWS 9, OBC-39, SC-10, and ST-2) have been selected under the general category seats on the basis of their merit.
- (ii) 22 seats for EWS, 60 seats for OBC, 33 for SC and 17 for ST categories were reserved across different disciplines at IARI.
- (iii) Out of the **22 seats under EWS**, **4 seats remained unfilled** due to lack of qualified candidates, one each in the disciplines of Agricultural Extension, Agricultural Physics, Bioinformatics and Microbiology. These EWS seats are recommended to be filled up by transfer on merit basis in the disciplines of Genetics & Plant Breeding (2 seats), Vegetable Science (1 seat) and Floriculture & Landscaping Architecture (1 seat).
- (iv) Out of the **60 seats under the OBC category**, **5 seats remained unfilled** due to lack of qualified candidates, two each in the disciplines of Agricultural Chemicals and Bioinformatics, and one in Agricultural Physics. These OBC seats are recommended to be filled up by transfer on merit basis in the disciplines of Entomology (2 seats), Agricultural Engineering – Farm Power & Equipment (2 seats) and Genetics & Plant Breeding (1 seat).
- (v) Out of the **33 seats reserved under SC category**, **five seats remained unfilled**, one each in the discipline of Biochemistry, Microbiology, Molecular Biology & Biotechnology, Plant Physiology and Water Science & Technology due to the non-availability of qualified candidates in these disciplines in the SC category. The five unfilled SC category seats are recommended to be filled up by transfer on merit basis in the disciplines of Entomology (2 seats), Genetics & Plant Breeding (1 seat), Agricultural Economics (1 seat) and Plant Pathology (1 seat).
- (vi) Of the **17 seats reserved for the ST category**, **six seats remained unfilled** in the ST category, one each in the disciplines of Agricultural extension, Biochemistry, Bioinformatics, Molecular Biology & Biotechnology, Plant Genetics Resources and Seed Science & Technology. These seats are

recommended to be filled up by transfer in the discipline of Entomology (2 seats), Plant Pathology (1 seat), Soil Science & Agricultural Chemistry (1 seat), Nematology (1 seat) and Agronomy (1 seat).

- (vii) Thus all the **20 seats** in the EWS (4 seats), OBC (5 seats), SC (5 seats), and ST (6 seats) categories that remained unfilled on account of non-availability of qualified candidates in the originally approved disciplines are recommended to be filled up by transfer in other disciplines on the basis of merit, where candidates are available.

• **PG School Outreach Programme at CIAE, Bhopal**

Total of 14 seats for Ph.D. (5 General, 1 EWS, 3 OBC, 2 SC, 1 ST and 2 ICAR in-service) were recommended for admission at CIAE, Bhopal.

• **PG School Outreach Programme at IIHR, Bengaluru**

Total of 12 seats for Ph.D. (5 General, 1 EWS, 3 OBC, 2 SC and 1 ST) were recommended for admission at CIAE, Bhopal. One seat reserved for ST category in the discipline of Fruit Science at IIHR remained unfilled due to the non-availability of qualified candidate in the ST category in this discipline. This seat is recommended to be filled up by transfer on merit basis in the discipline of Vegetable Science at IIHR.

The details of filled-up seats in all the disciplines and Wait-listed are given in the lists which are circulated to the Academic Council.

**B. Admission in other schemes**

- (i) For the Academic Year 2019-20, the number of seats available under various schemes were as follows:
- |   |      |
|---|------|
| Faculty Up-gradation Scheme               | - 10 |
| ICAR In-service nominee                   | - 10 |
| Departmental (Scientific)                 | - 5  |
| Departmental (Technical)                  | - 5  |
| Children/Widows of Security Forces (CWSF) | - 5  |
- (ii) On the basis of merit, the Committee recommends a total of 22 seats to be filled up under the different Schemes. These include 10 seats under the ICAR In-service Nominee, 3 seats under the Faculty Up-gradation Scheme, one under Departmental Scientific Scheme, 3 under Departmental Technical Scheme and 5 under Children/Widows of Security Forces (CWSF) scheme in the respective disciplines.

**C. Conduct of Examination in Hindi**

I am happy to inform the august house that this year opportunity was given to the prospective candidates to write the Entrance Examination in Hindi. Options to answer in Hindi were received from candidates in 11 disciplines. Hence, arrangements were made to provide the question papers both in Hindi and English in these 11 disciplines.

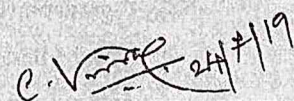
I wish to take this opportunity to thank the Director & Vice Chancellor, IARI and Chairman of the Academic Council, and the Dean and Joint Director (Education), IARI and Vice-Chairman of the Academic Council for reposing their trust in me and my fellow colleagues for undertaking this very important task of conducting the examination for admission to the doctoral programme at IARI, and outreach programme at IIHR, Bengaluru and CIAE, Bhopal.

It would have been impossible to complete this huge time bound academic task without the cooperation and active support of the very capable and dedicated members of the Examination Committee. I wish to place on record my sincere appreciation and gratitude to Dr. (Ms.) Seema Jaggi, Professor, Agricultural Statistics, IASRI; Dr. Vinod, Professor, Genetics & Plant Breeding; Dr. R.N. Padaria, Professor, Agricultural Extension; Dr. S.K. Jha, Professor, PHT; Dr. D.K. Singh, Professor, Agricultural engineering; Dr. A. Kumar, Principal Scientist, Plant Pathology; Dr. Anil Dahuja, Principal Scientist, Biochemistry; and Dr. K.M. Manjiah, Associate Dean and Principal Scientist (SSAC); for their ever-willing support and cooperation. Participating in the Examination Committee and interacting with all these eminent colleagues belonging to diverse disciplines has been a great learning experience. Personally, I have greatly benefitted from the wisdom of all my colleagues on the Committee. I once again thank each one of them for their active contribution, and the authorities for giving me this wonderful opportunity.

In the process of preparing and moderating the question papers and evaluation, we sought the assistance of several Heads of the Division, Professors and Faculty Members. Also many senior officials from IARI and other ICAR institutes were deputed as Nodal Officers or Centre Incharges for the smooth conduct of the examination at 13 Centres spread across the Country. On behalf of the Examination Committee, I thank each one of them for their contribution, support and cooperation.

Thanks are also due to the members of the Committee constituted for translating the question papers to Hindi. Considerable amount of work was involved in this task and their time and effort are gratefully acknowledged.

I also take this opportunity to thank the staff of the PG School, Dean's and Registrar's Personal Section for the administrative support and other assistance provided to the Examination Committee.



(Viswanathan C)  
Chairman, Examination Committee

**Post Graduate School  
Indian Agricultural Research Institute  
New Delhi**

**REPORT OF THE EXAMINATION COMMITTEE CONSTITUTED FOR ADMISSION TO THE  
Ph.D. DEGREE PROGRAMME AT IARI/CIAE FOR THE ACADEMIC SESSION 2018-19**

Good Morning to all of you. I am happy to present before this august body the recommendations of the Examination Committee on the admission to Ph.D. degree courses at IARI, New Delhi and IARI PG Outreach Programme at CIAE, Bhopal.

For the fifth consecutive year, applications for admissions to Ph.D. courses at our sister institute, namely, CIAE were also invited. Applications were invited **online** for admission to the Ph.D. degree programme in 26 disciplines at the Indian Agricultural Research Institute, New Delhi and in Agricultural Engineering discipline at CIAE, Bhopal (Sub-disciplines: Agricultural Processing & Structure, Farm Power & Equipment, and Soil & Water Conservation Engineering), respectively, for the Academic Session 2018-19 in March 2018, with April 16, 2018 being the last date for submission of applications. A total of **2362** eligible applications were received for admission by the PG School, IARI and these candidates were allowed to appear for the written examination. A total of **1706** candidates appeared for the written examination which was held on **June 10, 2018** at **13 Centres** (Anand, Bengaluru, Coimbatore, Delhi, Guwahati, Hyderabad, Jabalpur, Kolkata, Ludhiana, Patna, Pune, Udaipur, and Varanasi) spread across the country.

Based on the performance in the written examination, the Examination Committee recommended the names of **581** candidates for interview in various disciplines, of which **513** appeared for the interview in the respective disciplines. The candidates were interviewed on **July 2, 2018** by the Interview Boards duly constituted by the Director and Chairman of the Academic Council, IARI in the respective disciplines.

The results of the entrance examination were compiled by the Examination Committee on the basis of the marks obtained by the interviewed candidates in the written examination, interview and their respective academic scores. The Provisional Final Result as recommended by the Examination Committee, is placed for the consideration and approval of the Academic Council.

The Committee recommends 185 candidates for filling up the 185 seats under the Open Scheme at IARI as approved by the Academic Council in its 405<sup>th</sup> meeting held on December 16, 2017. This includes 6 Physically Challenged candidates. In addition to this, 22 other candidates are recommended for admission which includes 10 under ICAR In-service, 5 in the Faculty Up-gradation Scheme, 2 under

Departmental Scientific Scheme and 5 under CWSF. Thus, a **total of 207 candidates are recommended for admission to the Ph.D. programme at PG School, IARI** for the Academic Session 2018-19, which includes **14 candidates for CIAE, Bhopal** for PG Outreach Programme at sister Institute.

#### **A. Admission of candidates under the Open Scheme**

- **IARI, New Delhi**

- (i) Under the General category in the Open scheme, **87** seats were available for admission at IARI. **43** candidates belonging to categories other than General (OBC-**34**, SC-**8**, and ST-**1**) have been selected under the general category seats on the basis of their merit.
- (ii) 46 seats were reserved for OBC category, 26 for SC and 13 for ST categories across different disciplines at IARI.
- (iii) Out of the 46 seats under the OBC category, **6 seats remained unfilled** due to lack of qualified candidates, two each in the disciplines of Agricultural Statistics and Biochemistry and one each in Bioinformatics and Plant Physiology. These OBC seats are recommended to be filled up by transfer on merit basis in the disciplines of Entomology (2 seats), Agricultural Engineering - Soil & Water Conservation Engineering (2 seats), Fruit Science (1 seat) and Seed Science & Technology (1 seat).
- (iv) Out of the 26 seats reserved under SC category, **five seats remained unfilled**, one each in the discipline of Agricultural Extension, Bioinformatics, Computer Application, Nematology and Water Science & Technology due to the non-availability of qualified candidates in these disciplines in the SC category. The five unfilled SC category seats are recommended to be filled up by transfer on merit basis in the disciplines of Entomology (2 seats), Agricultural Engineering-Agricultural Processing & Structure (1 seat), Floriculture & Landscape Architecture (1 seat), and Plant Physiology (1 seat).
- (v) Of the 13 seats reserved for the ST category this year, **two seats remained unfilled** in the ST category in the disciplines of Vegetable Science and Plant Pathology. These seats are recommended to be filled up by transfer in the discipline of Agricultural Engineering - Soil & Water Conservation Engineering and Plant Physiology.
- (vi) Thus all the **13 seats** in the OBC (6 seats), SC (5 seats), and ST (2 seats) categories that remained unfilled on account of non-availability of qualified candidates in the originally

approved disciplines are recommended to be filled up by transfer in other disciplines on the basis of merit, where candidates are available.

● **PG School Outreach Programme at CIAE, Bhopal**

Total of 14 seats for Ph.D. (7 General, 3 OBC, 2 SC, 1 ST and 1 ICAR in-service) were recommended for admission at CIAE, Bhopal.

The details of filled-up seats in all the disciplines and Wait-listed are given in the lists which are circulated to the Academic Council.

**B. Admission in other schemes**

- (i) For the Academic Year 2018-19, the number of seats available under various schemes were as follows:

Faculty Up-gradation Scheme	- 10
*ICAR In-service nominee	- 10
Departmental (Scientific)	- 10
Departmental (Technical)	- 26
Children/Widows of Security Forces (CWSF)	- 05

- (ii) On the basis of merit, the Committee recommends a total of 22 seats to be filled up under the different Schemes. These include 10 seats under the ICAR In-service Nominee, 5 seats under the Faculty Up-gradation Scheme, 2 under Departmental Scientific scheme and 5 under Children/Widows of Security Forces (CWSF) scheme in the respective disciplines.

\*Qualifying in ICAR Senior Fellowship Examination is a pre-requisite for ICAR In-service nominee scheme. However this year, the result for ICAR Senior Fellowship Examination is yet to be finalized by the Education Division of ICAR. The result finalized under ICAR In-service category scheme may please be approved. exempting the pre-require for ICAR SRF qualification.

**C. Conduct of Examination in Hindi**

I am happy to inform the august house that this year opportunity was given to the prospective candidates to write the Entrance Examination in Hindi. Options to answer in Hindi were received from candidates in 10 disciplines. Hence, arrangements were made to provide the question papers in Hindi besides English in these 10 disciplines.

I wish to take this opportunity to thank the Director & Vice Chancellor, IARI and Chairman of the Academic Council and the Dean and Joint Director (Education), IARI and Vice-Chairman of the Academic Council for reposing their trust in me and my fellow colleagues for undertaking this very

important task of conducting the examination for admission to the doctoral programme at IARI and outreach programme at CIAE, Bhopal.

It would have been impossible to complete this huge time bound academic task without the cooperation and active support of the very capable and dedicated members of the Examination Committee. I wish to place on record my sincere appreciation and gratitude to Dr. S.K. Singh, Head, Fruits & Horticultural Technology; Dr. (Ms.) Seema Jaggi, Professor, Agricultural Statistics, IASRI; Dr. Vinod, Professor, Genetics & Plant Breeding; Dr. R.N. Padaria, Professor, Agricultural Extension; Dr. S.K. Jha, Professor, PHT; Dr. A. Kumar, Principal Scientist, Plant Pathology; Dr. Anil Dahuja, Principal Scientist, Biochemistry; and Dr. K.M. Manjaiah, Associate Dean and Principal Scientist, Soil Science and Agricultural Chemistry; for their ever-willing support and cooperation. Participating in the Examination Committee and interacting with all these eminent colleagues belonging to diverse disciplines has been a great learning experience. Personally, I have greatly benefitted from the wisdom of all my colleagues on the Committee. I once again thank each one of them for their active contribution, and the authorities for giving me this wonderful opportunity.

In the process of preparing and moderating the question papers and evaluation, we sought the assistance of several Heads of the Division, Professors and Faculty Members. On behalf of the Examination Committee, I thank each one of them for their contribution, support and cooperation.

Thanks are also due to the members of the Committee constituted for translating the question papers to Hindi. Considerable amount of work was involved in this task and their time and effort are gratefully acknowledged.

I also take this opportunity to thank the staff of the PG School and the Dean's Personal Section for the administrative support and other assistance provided to the Examination Committee.

(C. Viswanathan)  
Chairman, Examination Committee



2017-18

**Post Graduate School  
ICAR-Indian Agricultural Research Institute  
New Delhi**

**REPORT OF THE EXAMINATION COMMITTEE CONSTITUTED FOR ADMISSION TO THE  
PH.D. DEGREE PROGRAMME AT IARI/IIHR/CIAE FOR THE ACADEMIC SESSION 2017-18**

Good Morning to all of you. I am happy to present before this august body the recommendations of the Examination Committee on the admission to Ph.D. degree courses at IARI, New Delhi; IARI PG Outreach Programmes at CIAE, Bhopal; and IIHR, Bengaluru.

For the fourth consecutive year, applications for admissions to Ph.D. courses at our sister institutes, namely, CIAE and IIHR were also invited. Applications were invited **online** for admission to the Ph.D. degree programme in 26 disciplines at the Indian Agricultural Research Institute, in Agricultural Engineering discipline at CIAE, Bhopal (Sub-disciplines: Agricultural Processing & Structure, and Farm Power & Equipment) and in Fruit Science, Floriculture and Landscaping Architecture, Vegetable Science, and Post Harvest Technology of Horticultural Crops disciplines at IIHR, Bengaluru, respectively, for the Academic Session 2017-18 in February 2017, with March 6, 2017 as the last date for submission of applications. A total of **2470** applications were received for admission by the PG School, IARI and these candidates were allowed to appear for the written examination. A total of **1947** candidates appeared at the written examination which was held on **April 23, 2017** at **15 Centres** (Anand, Bengaluru, Ludhiana, Cochin, Coimbatore, Delhi, Dharwad, Guwahati, Jabalpur, Hyderabad, Ranchi, Kolkata, Pune, Udaipur, and Varanasi) spread across the country.

Based on the performance in the written examination, the Examination Committee recommended the names of **624** candidates for interview in various disciplines, of which **471** appeared at the interview in the respective disciplines. The candidates were interviewed on **July 3, 2017** by the Interview Boards duly constituted by the Director and Chairman of the Academic Council, IARI in the respective disciplines.

The results of the entrance examination were compiled by the Examination Committee on the basis of the marks obtained by the interviewed candidates in the written examination, interview and their respective academic scores. The Provisional Final Result as recommended by the Examination Committee, is placed for the consideration and approval of the Academic Council.

The Committee recommends 184 candidates for filling up the 184 seats under the Open Scheme at IARI as approved by the Academic Council in its 402<sup>nd</sup> meeting held on November 30, 2016. This includes 5 Physically Challenged candidates. In addition to this, 20 other candidates are recommended for admission which includes 8 under ICAR In-service, 10 in the Faculty Up-gradation Scheme and 2 under Departmental Scientific Scheme. Thus, a **total of 204 candidates are recommended for admission to the Ph.D. programme at PG School, IARI** for the Academic Session 2017-18. For the PG Outreach Programme at sister Institutes, **12 candidates for CIAE, Bhopal and 16 candidates for IIHR, Bengaluru** are also recommended for admission to the Ph.D. programme for the academic session 2017-18.

**A. Admission of candidates under the Open Scheme**

• **IARI, New Delhi**

- (i) Under the General category in the Open scheme, 79 seats were available for admission at IARI. 44 candidates belonging to categories other than General (OBC-33, SC-7, and ST-4) have been selected under the general category seats on the basis of their merit.

- (ii) 42 seats were reserved for OBC category, 23 for SC and 12 for ST categories.
- (iii) Out of the 42 seats under the OBC category, **4 seats remained unfilled** due to lack of qualified candidates, two in the disciplines of Agricultural Chemicals and one each in Agricultural Physics & Agricultural Statistics. These OBC seats are recommended to be filled up by transfer in the disciplines of Entomology (2 seats), and Agronomy (2 seats).
- (iv) For the SC category, 23 seats were reserved this year across different disciplines at IARI. **One seat remained unfilled** in the SC category in Biochemistry. This seat was recommended to be filled up by transfer in the discipline of Seed Science & Technology.
- (v) Of the 12 seats reserved for the ST category this year, **2 seats remained unfilled** one each in the disciplines of Agricultural Statistics, and Bioinformatics, due to the non-availability of qualified candidates in these disciplines. The 2 unfilled ST category seats are recommended to be filled up by transfer one each in the disciplines of Genetics & Plant Breeding and Seed Science & Technology.
- (vi) Thus all the **7 seats** in the OBC (4 seats), SC (1 seat), and ST (2 seats) categories that remained unfilled on account of non-availability of qualified candidates in the originally approved disciplines are recommended to be filled up by transfer in other disciplines on the basis of merit, where candidates are available.

• **PG School Outreach Programme at IIHR, Bengaluru**

For IIHR, a total of 16 seats (8 General, 5 OBC, 2 SC, and 1 ST) were recommended for admission to Ph.D. Out of these, one seat each in SC and ST were filled-up by transfer from other sub-disciplines within the Institute.

• **PG School Outreach Programme at CIAE, Bhopal**

Total of 12 seats for Ph.D. (6 General, 3 OBC, 2 SC and 1 ST) were recommended for admission at CIAE, Bhopal.

The details of filled-up seats in all the disciplines and Wait-listed are given in the lists which are circulated to the Academic Council.

**B. Admission in other schemes**

- (i) For the Academic Year 2017-18, the number of seats available under various schemes were as follows:
 

Faculty Up-gradation Scheme	- 10
ICAR In-service nominee	- 10
Departmental (Scientific)	- 10
Departmental (Technical)	- 26
- (ii) On the basis of merit, the Committee recommends a total of 20 seats to be filled up under the different Schemes. These include 8 seats under the ICAR In-service Nominee, 10 seats under the Faculty Up-gradation Scheme and 2 under Departmental Scientific scheme in the respective disciplines.

### **C. Conduct of Examination in Hindi**

I am happy to inform the august house that this year also arrangements were made to prepare the question papers in Hindi. An opportunity was given to the prospective candidates to write the Entrance Examination in Hindi. Options to answer in Hindi were received from candidates in 6 disciplines. Hence, arrangements were made to provide the question papers in Hindi besides English in these 6 disciplines.

I wish to take this opportunity to thank the Director & Vice Chancellor, IARI and Chairman of the Academic Council and the Dean and Joint Director (Education), IARI and Vice-Chairman of the Academic Council for reposing their trust in me and my fellow colleagues for undertaking this very important task of conducting the examination for admission to the doctoral programme at IARI and outreach programme at CIAE, Bhopal and IIHR, Bengaluru.

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In the process of preparing and moderating the question papers and evaluation, we sought the assistance of several Heads of the Division, Professors and Faculty Members. On behalf of the Examination Committee, I thank each one of them for their contribution, support and cooperation.

Thanks are also due to the members of the Committee constituted for translating the question papers to Hindi. Considerable amount of work was involved in this task and their time and effort are gratefully acknowledged.

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(C. Viswanathan)  
Chairman, Examination Committee