

05. **Agenda Point 5** : Request for the extension –

01. Darshan Singh

Darshan Singh has sought extension for one year from 8<sup>th</sup> March 2017 to 7<sup>th</sup> March 2018 after completing 4 year on 07<sup>th</sup> March 2017. BOS recommends one year extension for completion of the work.

06. **Agenda Point 6** : Evaluation of documents for the issue of certificates as per UGC 2009 regulation.

01. Yogita Sharma

02. Dwarika Prasad

03. Madhuri Joshi

04. N. Semwal

05. Shivani Pathak

Documents were examined for the issuance of certificates as per the UGC regulation (4<sup>th</sup> amendment). BOS recommends issue of the certificates to –

01. Yogita Sharma

02. Dwarika Prasad

03. Madhuri Joshi

04. N. Semwal

05. Shivani Pathak

07. **Agenda Point 7** : Approval of faculty members as Ph.D. supervisors :

01. Dr. Ajay Kuamr Srivastava, Chemistry Department, DBS (PG) College, Dehardun.

02. Dr. Giridhar Joshi, Chemistry Department, Govt. PG College, Gopeshwar.

03. Dr. A.M. Painuli, Chemistry Department, Govt. (PG) College, New Tehri.

CV/ Resume of all the three faculty members working in different affiliated colleges of H.N.B. Garhwal University are approved by the BOS.

08. **Agenda Point 8** : Syllabus for Pre Ph.D.-

As per the HNBGU ordinances (Letter/G.U./2017/27 dated 12.09.17) regarding the Ph.D., the scholars enrolled have to earn 8-16 credits in the pre Ph.D. papers including one paper on research methodology. The papers in pre Ph.D. will now be-

1. Research methodology for chemistry (SOS CH01) 4 credits

2. Physical methods in chemistry (SOS CH02) 4 credits

3. Art in organic synthesis (SOS CH03) 4 credits

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10/10

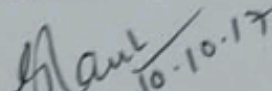
10.10.17

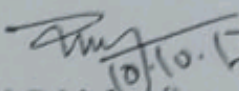
BOS members went through the contents and approved the above papers. In anticipation of approval of the academic council the above papers are prescribed for the pre Ph.D. course work, session 2017 onwards.

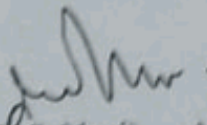
09. Agenda Point 9 : Revision of M.Sc. I Sem Physical Chemistry Syllabus  
Dr. Namrata Ghildiyal, Chemistry Dept., proposed that the syllabus for M.Sc. I Sem - Physical Chemistry -I (SOS/C003) of HNBGU is very lengthy in comparison to the syllabi of other Central Universities and unit wise order is also not precise. Hence a revised syllabus is proposed to be vetted by BOS members.

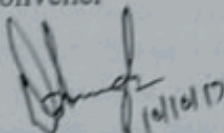
2018 onwards for the paper SOS/C003 the proposed contents be adopted in anticipation of the approval by the Academic Council.


10. Agenda Point 10 : Appointment of examiners for U.G. and P.G. courses.  
Resolution - ~~Chairman~~<sup>Convener</sup>, BOS is authorized to submit the list of examiners to the University.

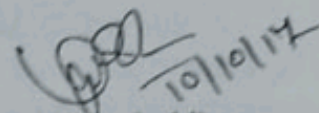
  
(Prof. Geeta Joshi)  
Convener

  
(Prof. D.M. Joshi)  
Member

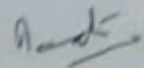
  
(Prof. D.S. Negi)  
Member

  
(Prof. D.S. Negi)  
Mathematics Dept., VC nominee

  
(Prof. S.C. Bhatt.,)  
Physics Dept., VC nominee

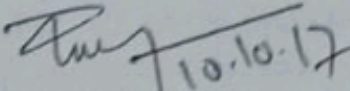
  
(Prof. Veeha Joshi)  
SRT Campus, Badshahithaul

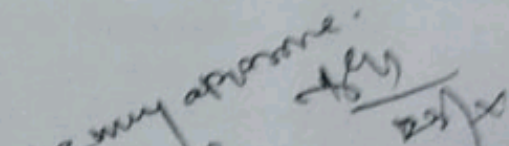
  
(Dr. Jiteridra)

  
(Dr. S.C. Sati)  
Invited member

Birla Campus, Srinagar

Hon'ble VC for approval -

  
(Prof. D.M. Joshi)  
Dean, School of Sciences

  
A.P. Bhatnagar  
31.1.18



**Agenda Point 02: Ph.D. pre submission viva/ Pre PhD presentation**

**02 a Sanjay Dutt**

Supervisor: Prof. Veena Joshi

Title of the Thesis "A Comprehensive Study of Natural Radiation Level in Different Lithological Formations of Pauri Garhwal, India "

**Resolution 2 a: Certificate may be issued to the candidate. However, in the final thesis references to be corrected, data may be given using statistical analysis. Reference must be cited at figure taken from book/research paper. Supervisor was informed.**

**02b: Bhanja Kumar Khuntia**

Supervisor: Dr. Tanvir Alam

Title of the Thesis: "Synthesis and characterization of iron-based nanoparticles for the degradation of organochlorine pesticides "

**Resolution 02 b: Certificate may be issued to the candidate. However in the final thesis references to be corrected, references in the chapter are not available in the bibliography. Many linguistic errors which must be corrected before the final submission.**

**02c: Bharti:**

Supervisor: Prof. J.S. Jangwan

Title of the Thesis: "Abatement of pollutants from drinking water sources of river Krishna catchment using nanotechnology "

**Resolution 02 c: Certificate may be issued to the candidate however in the final thesis references must be in uniform format. The thesis must provide conclusion drawn based on the work reported. Citations of the figures and diagrams to be included in the final thesis.**

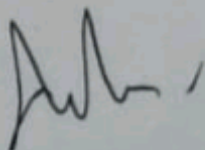
**02 d : Anuj Kandwal**

Supervisor: Dr. M. C. Purohit

Title of thesis: "Green synthesis of metallic nanoparticles using extracts of some medicinal plants, characterization and antimicrobial activity."

**Resolution 02 d : Certificate may be issued. However, in the final thesis citations for figures and diagrams be incorporated. References to be in give uniform format.**

**Agenda Point 03:** 02 credit courses for awareness about publication ethics and publication misconducts entitled "**Research and Publication Ethics (RPE)**" to be made compulsory for all PhD students for preregistration course work (UGC letter reference no. D.O. No.F.1-I/2018 (Journal/CARE) December, 2019





Core Course 1: Research Methodology – 4 credits

Core Course 2: 3 credits comprising of

(A) RPE – 2 credits

(B) The content to be decided by BoS - 1 credit

(C) Thus, as per the existing system the structure remains the same i.e. two core courses of 7 credits (4 +3) and two elective courses of 8 credits (4+4)

The content of 1 credit is placed before BoS

**Resolution ;** The BoS unanimously recommends the inclusion of the following course of 01 credit for Pre PhD course work in addition of the 2 credit course prescribed by UGC on "RPE "

One more additional elective paper for 4 credits to be started from the next session.

**Agenda Point 04:** Annual progress reports

- (i) Progress report of Aayasha Negi from 14/05/2019 to 13/11/2019.
- (ii) Progress report of Rahul Kumar Vishwakarma from 14/05/2019 to 13/11/2019.
- (iii) Progress report of Mohsin Ali from 13/11/2017 to 12/05/2018, 13/05/2018 to 12/11/2019, 13/11/2019 to 12/05/2019 and 13/05/2019 to 12/11/2019.
- (iv) Progress report of Anamika Gusain from 13/05/2019 to 12/11/2019.
- (v) Progress report of Rohit Sajwan from 13/05/2019 to 13/11/2019.
- (vi) Progress report of Bhanja Kishore Khuntia from 20/03/2019 to 06/03/2020.
- (vii) Progress report of Km. Bharti from 27/03/2019 to 06/03/2020.
- (viii) Progress report of Rashmi Rawat from 14/05/2019 to 13/11/2019.
- (ix) Progress report of Anuj Kandwal from 13/07/2018 to 12/07/2019 and 13/07/2019 to till date.
- (x) Progress report of Sumit from 27/12/2018 to 26/05/2019 and 27/05/2019 to 26/12/2019.
- (xi) Progress report of Ankit Singh Bartwal from 14/05/2019 to 13/11/2019.
- (xii) Progress report of Juhi Aggarwal 14/07/2018 to 13/07/2019.
- (xiii) Progress report of Prashast Kumar Tripathi from 26/05/2019 to the date of submission of Ph. D thesis.
- (xiv) Progress report of Sanjay Dutt 01/04/2018 to 31/03/2019 and 01/04/2019 to 06/03/2020.

AA



## Meeting of Board of Studies

Proceedings of BOS Home Science meeting in the Department of Home Science, Birla Campus, H.N.B. Garhwal University, Srinagar (Garhwal) at 11:00 am on 22/7/2019.

### Members of Board of Studies:

- |   |  |                                  |
|---|--|----------------------------------|
| 1. Dr. Rekha Naithani,                        | Convenor, H.O.D, H.Sc, B.G.R. Campus, Pauri  | <i>S. K. Naithani</i><br>23-7-19 |
| 2. Dr. Archana Shah                           | H.O.D, H.Sc., S.R.T. Campus, Badshahithaul   | <i>Archana</i><br>23/7/19        |
| 3. Dr. Jyoti Tiwari                           | H.O.D, H.Sc. , Birla Campus , Srinagar   | <i>Jyoti</i><br>23/7/19          |
| 4. Dr. Anita Sati                             | Assistant Professor, H.Sc. Dept. Srinagar –  |                                  |
| 5. Prof. Krishna Khambra<br>(External Expert) | Dept. of Textiles and Apparel Designing, C.O.H.S<br>C.C.S.H.A.U, Hisar                                   | <i>kkhambra</i><br>23/7/19       |
| 6. Prof. Yama Khokar<br>(External Expert)     | Department of Extension Education, College of<br>Home Science, G.B.Pant Univ. of Ag. & Tech. Pantnagar – | <i>Yama</i><br>23/7/19           |
| 7. Prof. Vibha Mukesh(VC Nominee)             | Department of Philosophy, Birla Campus –   | <i>Vibha</i><br>23/7/19          |
| 8. Prof. D.S. Negi (VC Nominee)               | Department of Mathematics, Birla Campus –  | <i>D.S. Negi</i><br>23/7/19      |

The following agendas were discussed in the meeting:

1. Interview of candidates for Ph.D.
2. Presentation of progress report of Ph.D. Scholars.
3. To consider the extension of research scholars who have completed four years of time.
4. Constitution of departmental research committee.

1. **Interview of candidates for Ph.D.:** 32 shortlisted candidates were called for interviews, out of which, 20 had qualified the entrance exam and 12 belonged to the exempted category (NET/JRF/SLET). Out of 20 candidates who qualified the entrance exam, 10 were present but only 9 candidates appeared for the interview and made their power point presentations. Out of 12 candidates from the exempted category, 2 candidates were present but did not appear for the interview.

Merit list of candidates was prepared and submitted for necessary action to the concerned quarter.

2. **Presentation of progress report of Ph.D. Scholars.:** Progress reports of following students were presented, approved and submitted to the University:
  1. Manisha Rani
  2. Pooja Pandey
  3. Ankita Pathak
  4. Surekha Kumari
  5. Pooja
  6. Anamika Chauhan
3. **To consider the extension of research scholars who have completed four years of time:**  
The applications requesting for extension for one year of four Ph.D research scholars namely



Ankita Pathak, Surekha Kumari, Pooja and Anamika Chauhan, were submitted in the BOS meeting and referred to the University for kind consideration.

4. **Constitution of departmental research committee** : The BOS committee was of the view that a departmental research committee comprising of the following members may be constituted to review pre submission of PhD thesis:

- Dr. Rekha Naithani
- Dr. Jyoti Tiwari
- Dr. Archana Shah
- Dr. Anita Sati

The meeting ended with thanks to the chair.

*Pratibha*  
CONVENOR  
A.O.S. Home Science  
H.N.B. Garhwal University  
Srinagar (Uttaranchal)

*Kkambur*  
23/7/19  
(External Experts)

*Pooja*  
23/7/19  
(Members)

*Archana*  
23/7/19

*Anita Sati*  
23/7/2019

*Jyoti*  
23/7/19

Forwarded  
*Pratibha*  
21/8/19,

Dean School of Sciences  
H.N.B. Garhwal University  
(A Central University)  
Srinagar (Garhwal) 246174  
Uttarakhand

Approved for approval of members  
*Pratibha*  
16.8.2019  
Honorable VC





## Proceedings of the Meeting of Board of Studies in Home science

A meeting of BOS committee members was held on February 17, 2020 in the department of home science, Birla Campus in which the following members were present:

- Prof. Rekha Naithani - Convener, HOD home science *Rekha Naithani 17/2/2020*
- Dr. Jyoti Tiwari - HOD home science, Birla campus, Srinagar *Jyoti Tiwari 17/2/2020*
- Dr. Archana Shah - HOD Home science SRT Campus, Tehri *Archana Shah 17/2/2020*
- Dr. Anita Sati (Invited Member), Asst. Prof. Birla campus, Srinagar *Anita Sati 17/2/2020*
- Prof. Kiran Dangwal (V.C. Nominee), HOD Dept of Sociology, Birla campus, Srinagar *Kiran Dangwal 17/2/2020*
- Prof. Manju Pandey (V.C. Nominee), HOD Dept. of Psychology, Birla campus, Srinagar *Manju Pandey 17/2/2020*
6. Prof. (Retd.) Krishna Khambra - (External Expert) - Dept. of Textiles and Apparel Designing, C.O.H.S *Khambra 17.2.2020*  
C.C.S.H.A.U, Hisar
7. Prof. Yama Khokar - (External Expert) Department of Extension Education, College of Home Science, G.B. Pant Univ. of Ag. & Tech. Pantnagar

### Agenda of BOS Meeting: 17 Feb. 2020

1. Interview of candidates for admission in Pre Ph D (2019) - Home Science
2. (a) Presentation of Pre-Submission of thesis (2015)  
(b) Progress report by Ph.D Home Science students (2018)
3. Implementation of modified syllabus of M.A and B.A Home Science (semester system): w. e. f. July 2020.
4. To start B.Sc. Home Science 3 Year Degree Course in the Department of Home Science
5. To make change in the topic of the thesis of Ph.D Scholar
6. To forward maternity leave application of Ph.D Scholar
7. To constitute a Departmental Academic Integrity Panel (DAIP)
8. Constitution of Journal club in all three campus of the university.
9. To add additional paper on Research and Publications Ethics (R.P.E) in the present syllabus of Pre-Ph.D
10. Allotment of guide to the previous (2018) Pre-Ph.D students:



**The BOS members discussed various issues and resolved unanimously:**

1. **Interview of candidates for admission in Pre-Ph.D home science** : 17 shortlisted candidates were called for interview, out of which 8 has qualified the entrance exam and 9 belonged to the exempted category (NET/JRF/SLET). Out of 8 candidates who qualified the entrance exam, all were present but only 1 candidate was not found eligible. Out of 9 candidates of the exempted candidates, 4 were present for the interview.

Merit list of candidates was prepared and submitted for necessary action to the concerned quarter.

2. **(a) Presentation of Pre-Submission of thesis (2015)**: Pre-Submission of Ph.D Thesis of Pooja (Reg. No: SH-16069) was presented and approved.

**(b) Progress report by Ph.D Home Science students (2018)** : The progress reports of following students were resented and approved.

(1) Manisha

(2) Pooja Pandey

✓ **3. Implementation of modified syllabus of M.A and B.A Home Science(semester system): w. e. f. July'2020** : Framed syllabus of M.A and B.A was discussed at length and the suggestions of the members of the committee were taken into account and the final script will be submitted to the concerned. The syllabus will be implemented from academic session July-2020 onwards.

✓ **4. To start B.Sc. Home Science 3-Year Degree Course in the Department of Home Science**

Proposal was discussed at length and committee members were of the view to start the program. the proposal will be submitted shortly.

**5. To make change in the topic of the thesis of Ph.D Scholar.**

Change were made in the Methodology of the thesis of Ms Pooja Pandey

Changes were made in the topic and objective (Objective No.5 was removed and one objective was added) of the thesis of Ms Manisha as follows:

**Previous Topic:** "Assessment of Knowledge and Practices of Menstrual Hygiene Among Adolescent Girls of Garhwal Region of Uttarakhand"

**Modified Topic:** "Assessment of Knowledge, Attitude and Practices of Menstrual Hygiene Among Adolescent Girls of Garhwal Region of Uttarakhand: An Intervèntion Study"

**Existing Objective:** To assess the restrictions practiced by adolescent girls during menstruation.

**Modified Objective:** To study the attitudes of adolescents girls regarding menstruation.

6. To forward maternity leave application of Ph.D Scholar

Maternity leave application of Ms Nitika Dimri was forwarded for further action.

✓ 7. To constitute a Departmental Academic Integrity Panel (DAIP) : Departmental Academic Integrity Panel will be constituted.

8. Constitution of Journal club in all three campus of the university: the committee will be constituted of Head of the department as Director of Journal Club and all Ph.D Supervisors as members.

9. To add additional paper on Research and Publications Ethics (R.P.E) in the present syllabus of Pre-Ph.D:


With reference to letter no. Academic/2020/49 dated 11 february, 2020 issued by Registrar of the University, the paper on research and Publication Ethics (R.P.E) will be included in the curriculum.

10. Allotment of guide to the previous (2018) Pre-Ph.D students:


Allotment of research guides for Ph.D scholars is as follows:

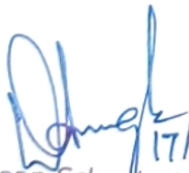
Name of Supervisor	Name of student
1. Dr. Jyoti Tiwari	Seema
2. Dr. Archana Shah	Nitika Dimri
3. Dr. Anita Sati	Pratima Pandey

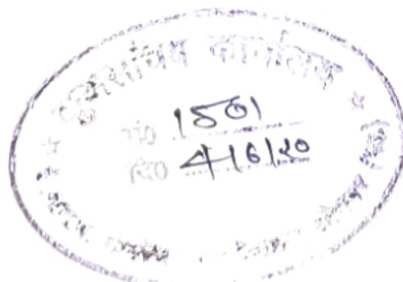
The meeting ended with thanks to the chair:


  
17.02.2020  
(Convenor)

  
17/02/2020  
(External Experts)

  
17/02/2020  
(Members)

  
17/2/2020  
Dean School of Sciences  
H.N.B. Garhwal University  
(A Central University)  
Srinagar (Garhwal) 246174  
Uttarakhand



  
17/2/2020  
24.  
05/06/20



## Department of Home Science

HNB Garhwal University, Srinagar (Garhwal)

### Proceedings of the BOS meeting home science, held on 28 July, 2020

A meeting of the BOS home science was held on 28 July, 2020 at 11.00 am through On-line /virtual mode by Zoom App. The following members were present in the meeting.

1. Prof. Rekha Naithani, Convener, BOS home science
2. Dr Jyoti Tiwari, HOD home science, Birla Campus, Srinagar
3. Dr Archana Shah, HOD home science, SRT campus, Tehri
4. Dr Anita Sati, home science, Birla Campus, Srinagar
5. Prof Kiran Dangwal- (VC Nominee) HOD, Dept of Sociology, Birla Campus, Srinagar
6. Prof Manju Khanduri Pandey, (VC Nominee) HOD Dept Psychology, Birla Campus, Srinagar
7. Prof Krishna khambra- External Expert
8. Prof Yamha Khokar- External Expert

Certified that all above members were present in the online meeting.

#### AGENDA ITEMS:

#### The following are the agenda items of the BOS home science meeting:

- Item No. 1. To confirm the minutes of last meeting of the BOS (Home Science) held on 17.02.2020.
- Item No. 2. To constitute DAIP (Departmental Academic Integrity Panel). The names for nominations for the same have been approved by the Hon'ble V.C.
- Item No. 3. To consider six months progress reports and Synopsis presentation of Ph. D. students.
- Item No. 4. To consider Pre-submission presentation of the thesis of Ph. D. students.
- Item No. 5. To consider time extension for the needy Ph. D. students as per rules.
- Item No. 6. Any other important item.

#### RESOLUTIONS:

Item no 1. The proceedings of the BOS meeting –home science held on 17.02.2020 were confirmed.

Item no 2. Regarding the constitution of DAIP, the name of Prof. Lata Pandey is nominated by the Hon'ble VC as a member (senior academician) of DAIP and name of Prof. Piyush Sinha is nominated by Head of Department.

- DAIP approved by BOS



## Meeting of the Board of Studies (Home Science)

Date: 28<sup>th</sup> July, 2020

In pursuance of the approval of the Hon'ble Vice Chancellor and the university office order letter Ref no. : Academic/2020/ 280, dated 28.07.2020, the online meeting of the B.O.S. (Home Science) was held on 28.07.2020, commencing from 11.00 am. Following members were present/participated in the meeting-

- |                               |                  |
|-------------------------------|------------------|
| 1. Prof. Rekha Naithani       | - Chairperson    |
| 2. Prof. Krishna Khambra      | - Subject Expert |
| 3. Prof Kiran Dangwal         | - VC Nominee     |
| 4. Prof Manju Khanduri Pandey | - VC Nominee     |
| 5. Dr Jyoti Tiwari            | - Member         |
| 6. Dr Archana Shah            | - Member         |
| 7. Dr Anita Sati              | - Invited member |

**In the above online meeting of the B.O.S., the board resolved unanimously as under with regard to each agenda items:**

**Agenda Item No 1.** To confirm the minutes of the last meeting of the B.O.S. (17 February, 2020).

**Resolution:** The BOS approved the minutes/proceedings of the last meeting of the B.O.S. held on 28<sup>th</sup> February , 2020.

**Agenda Item No. 2.** To constitute DAIP (Departmental Academic Integrity Panel ) of the Department of Home Science. The names for nominations have been approved by the Vice Chancellor.

**Resolution:** In view of the approval by the Vice Chancellor for the members to be nominated under different category, the boards constitute the DAIP(Departmental Academic Integrity Panel ) as under:

1. Prof Rekha Naithani, HOD
2. Prof Lata Pandey, HOD, Home Science , Kumaon University, Nainital
3. Prof Piyush Sinha, Department of Physics, BGR Campus , Pauri





**Agenda Item No 3.** To consider six months progress reports and Synopsis presentation of Ph. D. Students

a. **To consider six months progress reports**

**Resolution:** The B.O.S. considered the six months/annual / Progress Reports of the following Ph. D. students/research scholars of Home Science. The duration of the progress report is mentioned against the name of each research scholar:

Sl No	Name of Research Scholar	Name of Supervisor	Duration of the Six Months/ Annual Progress Report
1.	Ms Ankita Pathak	Prof Rekha Naithani	14 July 2019 to 13 July 2020
2.	Ms Surekha Kumari	Dr Jyoti Tiwari	15 July 2019 to 14 July 2020
3.	Ms Anamika Chauhan	Dr Anita Sati	21 July 2019 to 27 July 2020
4.	Ms Pooja Pandey	Prof Rekha Naithani	15 Nov 2019 To 14 May 2020
5.	Ms Manisha Rani	Dr Jyoti Tiwari	7 Feb 2020 to 6 Aug 2020
6.	Ms Pratima Pandey	Dr Anita Sati	8 February 2020 to 27 July 2020
7.	Ms Nitika Dimri	Dr Archana Shah	8 February 2020 to 27 July 2020
8.	Ms Seema Kumari	Dr Jyoti Tiwari	8 February 2020 to 27 July 2020

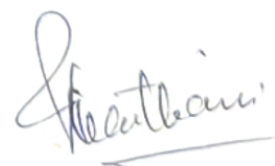
b. **To consider Research Topics with Synopsis of the Ph D Research Scholars for approval:**

**Resolutions:** The BOS considered and approved the research topics with synopsis of the following Ph. D. research scholars in Home Science as follows:

1. Name of the research scholar: Ms Pratima Pandey  
Name of the Research Supervisor: Dr Anita Sati  
Research Topic: 'A study of role of ICDS Programme in nutritional enrichment of women and Children : with special reference to Dehradun District'
2. Name of the research scholar: Ms Nitika Dimri  
Name of the Research Supervisor: Dr Archana Shah

Research Topic: 'स्वास्थ्य सम्बन्धी पारम्परिक कार्य प्रणालियाँ: उत्तराखण्ड के गढ़वाल हिमालय की ग्रामीण महिलाओं का अध्ययन'

(Traditional Health Practices: A Study of Rural Women of Garhwal Himalayas of Uttarakhand)



3. Name of the research scholar: Ms Seema Kumari  
 Name of the Research Supervisor: Dr Jyoti Tiwari  
 Research Topic: 'Prevalence and associated factors of stress, anxiety and depression among working and non-working women of Haridwar District of Uttarakhand'.

**Agenda Item No 4.** To consider Pre-submission of the thesis of the Ph. D. Research Scholars.

**Resolution:** The B.O.S. considered the Pre-submission Presentation of the thesis of the following research scholars and granted permission/approved for the submission of their thesis under the already approved **Research Topics as per rules**. The Research Supervisors as approved are mentioned against their names below:

Sl No	Name of the Research Scholar	Research Supervisor
1.	Ms Ankita Pathak (Home Science)	Prof Rekha Naithani
2.	Ms Anamika Chauhan (Home Science)	Dr Anita Sati
3.	Ms Surekha Sharma (Home Science)	Dr Jyoti Tiwari

✓ **Agenda Item NO. 5.** To consider time extension for Ph. D. students/research scholars.

**Resolution:** The B.O.S. considered the request of the Ph. D. research scholars for extension of the time limit of one year and re-registration for extending one year time limit respectively and granted permission in accordance of the case as requested.

The duration of the time extension of one year or re-registration for one year time extension is mentioned against the names of each research scholar in the given table:

**Time extension / Re-registration of one year granted:**

Sl no	Name of research scholar	Name of supervisor	Time Extension of One Year Granted
1.	Ms Pooja Pandey (2017 )	Prof Rekha Naithani	Nov 2020- Nov 2021
2.	Ms Manisha Rani (2017)	Dr Jyoti Tiwari	Feb 2020- Feb 2021

*Seema Kumari*



**Time extension of six months to submit thesis as referred to by the UGC in view of the COVID-19 pandemic :**

Sl No	Name of research scholar	Name of supervisor	Time extension of six months granted from July,2020...to...January , 2020
1.	Ms Ankita Pathak	Prof Rekha Naithani	14 July,2020 to 14 January , 2020
2.	Ms Anamika Chauhan	Dr Anita Sati	14 July,2020...to 14 January , 2020
3.	Ms Surekha Kumari	Dr Jyoti Tiwari	14 July,2020...to 14 January , 2020

**Agenda Item N0. 6. Any other important Item:**

- No other agenda to discuss

*Prof Rekha Naithani*  
28/07/2020

**Prof Rekha Naithani**  
Home Science Department  
HNB Garhwal University  
(A Central University) Pauri (U.K.)

**Prof Krisna Khambra**

**Prof Kiran Dangwal**

**Prof Manju Khanduri Pandey**

*Jyoti Tiwari*  
**Dr Jyoti Tiwari**

**Dr Archana Shah**

*Anita Sati*  
**Dr Anita Sati**

*Sh. Sandeep Tiwari*  
16/9/20

*Hon'ble V.C.*  
*for kind approval*  
14/09/2020

Dean, School of Sciences  
HNB Garhwal University  
(A Central University)  
Erhaon (Garhwal) 246174  
Uttarakhand

## Meeting of the Board of Studies (Home Science)

Date: 11<sup>th</sup> August, 2021

In pursuance of the approval of the Hon'ble Vice Chancellor and the university office order letter Ref no. : Academic/2021/ 256, dated 04.08.2021, the online meeting of the B.O.S. (Home Science) was held on 11.08.2021, commencing from 11.00 am. Following members were present/participated in the meeting-

- |                               |                  |
|-------------------------------|------------------|
| 1. Prof. Rekha Naithani       | - Chairperson    |
| ✓ 2. Prof. Krishna Khambra    | - Subject Expert |
| 3. Prof. Yama Khokhar         | - Subject Expert |
| 4. Prof Kiran Dangwal         | - VC Nominee     |
| 5. Prof Manju Khanduri Pandey | - VC Nominee     |
| 6. Dr Jyoti Tiwari            | - Member         |
| 7. Dr Archana Shah            | - Member         |
| 8. Dr Anita Sati              | - Invited member |

**In the above online meeting of the B.O.S., the board resolved unanimously as under with regard to each agenda items:**

**The agenda items are as follows for consideration:**

- Item No. 1. To confirm the minutes of last meeting of the BOS (Home Science) held on 28.07.2020.
- Item No. 2. Allotment of guide to the Pre Ph D students
- Item No. 3. To consider six months progress reports and synopsis presentation of Ph. D. students.
- Item No. 4. To consider Second Time Pre-submission presentation of the thesis of Ph. D. students.
- Item No. 5. To consider time extension for the needy Ph. D. students as per rules.
- Item No. 6. To discuss and consider the request of starting Research Centre at Methodist College , Roorkee
- Item No. 7. Any other important item.
1. Application by Pooja Pandey (2017) to Modify Methodology Section of Ph.D. Synopsis
  2. Application by Bharti Ruhela - for taking Co- guide from Chemistry department, NOC from Dr Sati and Bio-data of Dr Sati
  3. Discussion about the behavior of research scholars of 2019 batch

**Agenda Item No 1.** To confirm the minutes of the last meeting of the B.O.S. (28.07.2020).

**Resolution:** The BOS approved the minutes/proceedings of the last meeting of the B.O.S. held on 28.07.2020.

**Agenda Item NO. 2.** Allotment of guide to the Pre Ph D students

**Resolution:** The allotment of guide was done in the first week of June '2021 in departmental meeting in anticipation of approval by coming BOS. The allotment was as follows: *and is approved by BOS.*

Sl. No.	Name of the Student	Name of the Guide	Campus
1.	Ms Bharti Ruhela (UR)	Prof. Rekha Naithani	BGR campus, Pauri
2.	Ms Anjali Yadav (OBC)	Dr Jyoti Tiwari	Birla Campus, Srinagar
3.	Ms Ankita Bisht (EWS)	Dr Anita Sati	Birla Campus, Srinagar
4.	Ms Rohini Singh (SC)	Dr Archana Shah	SRT campus, Tehri

**Agenda Item No 3.** To consider six months progress reports and Synopsis presentation of Ph. D. Students

a. **To consider six months progress reports**

**Resolution:** The B.O.S. considered the six months/annual / Progress Reports of the following Ph. D. students/research scholars of Home Science. The duration of the progress report is mentioned against the name of each research scholar:

Sl No	Name of Research Scholar	Name of Supervisor	Duration of the Six Months/ Annual Progress Report
1.	Ms Pooja Pandey	Prof Rekha Naithani	6 <sup>th</sup> Sem & 7 <sup>th</sup> Sem. From Aug 2020 to July 2021
2.	Ms Manisha Rani	Dr Jyoti Tiwari	6 <sup>th</sup> Sem & 7 <sup>th</sup> Sem. From Aug 2020 to July 2021
3.	Ms Pratima Pandey	Dr Anita Sati	Was absent in the BOS meeting and Not presented her two progress reports (for one year)
4.	Ms Nitika Dimri	Dr Archana Shah	4 <sup>th</sup> Sem & 5 <sup>th</sup> Sem. From Aug 2020 to July 2021
5.	Ms Seema Kumari	Dr Jyoti Tiwari	4 <sup>th</sup> Sem & 5 <sup>th</sup> Sem. From Aug 2020 to July 2021



b. To consider Research Topics with Synopsis of the Ph D Research Scholars for approval:

**Resolutions:** The BOS considered and approved the research topics with synopsis of the following Ph. D. research scholars in Home Science as follows:

1. Name of the research scholar: Ms Bharti Ruhela  
Name of the Research Supervisor: Prof. Rekha Naithani  
Research Topic: 'Investigation, identification, chemical examinations and processing of naturally occurring plants of Garhwal Himalaya for their Anti diabetic assay and development of various food products'

2. Name of the research scholar: Ms Anjali Yadav  
Name of the Research Supervisor: Dr Jyoti Tiwari

Research Topic "उत्तराखंड के पौड़ी गढ़वाल जिले के युवा विद्यार्थियों के मनोवैज्ञानिक स्वास्थ्य पर इंटरनेट के प्रभावों का अध्ययन"

'Study of Effects of Internet on Psychological health of Young Students of Pauri Grahwal District of Uttarakhand'

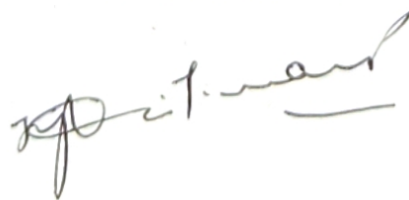
3. Name of the research scholar: Ms Ankita Bisht  
Name of the Research Supervisor: Dr Anita Sati  
Research Topic: 'महिलाओं के सामाजिक-आर्थिक सशक्तिकरण में स्वयं सहायता समूहों की भूमिका : उत्तराखण्ड राज्य का विशेष अध्ययन' (Role of Self-help Groups in Socio-economic Empowerment of Women: A Study of Uttarakhand State).

4. Name of the research scholar: Ms Rohini Singh  
Name of the Research Supervisor: Dr Archana Shah

Research Topic: "उत्तराखण्ड के हरिद्वार तथा टिहरी जिलों की आंगनवाड़ियों तथा निजी विद्यालयों में पूर्व-प्राथमिक शिक्षा की स्थिति का तुलनात्मक अध्ययन" (Comparative Study of the Status of Pre-school Education in Anganwadis and in Private Schools of Haridwar and Tehri district of Uttarakhand)

**Agenda Item No 4.** To consider Second Time Pre-submission of the thesis of the Ph. D. Research Scholars.

**Resolution:** The B.O.S. considered the Second time Pre-submission Presentation of the thesis of the following research scholars and granted permission/approved for the submission of their thesis under the already approved **Research Topics as per rules**. The Research Supervisors as approved are mentioned against their names below:



Sl No	Name of the Research Scholar	Research Supervisor
1.	Ms Ankita Pathak (Home Science)	Prof Rekha Naithani
2.	Ms Surekha Kumari (Home Science)	Dr Jyoti Tiwari

**Agenda Item N0. 5.** To consider time extension for Ph. D. students/research scholars.

**Resolution:** The B.O.S. considered the request of the Ph. D. research scholars for extension of the time limit of one year and re-registration for extending one year time limit respectively and granted permission in accordance of the case as requested.

The duration of the time extension of one year or re-registration for one year time extension is mentioned against the names of each research scholar in the given table:

**Time extension / Re-registration of one year granted:**

Sl no	Name of research scholar	Name of supervisor	Time Extension of One Year Granted
1.	Ms Pooja Pandey (2017)	Prof Rekha Naithani	Nov 2021- Nov 2022
2.	Ms Manisha Rani (2017)	Dr Jyoti Tiwari	Feb 2021- Feb 2022

**Time extension of six months to submit thesis as referred to by the UGC in view of the COVID-19 pandemic :**

Sl No	Name of research scholar	Name of supervisor	Ttime extension of six months granted from January , 2020 to December, 2021
1.	Ms Ankita Pathak	Prof Rekha Naithani	14 January , 2020 to December , 2021
3.	Ms Surekha Kumari	Dr Jyoti Tiwari	14 January , 2020 to December, 2021

**Agenda Item N0. 6.** To discuss and consider the request of Dr Amita Srivastava, Principal (officiating) Methodist Girls College , Roorkee to establish Research Centre – Home Science in their college.

**Resolution:** It was resolved that BOS does not have authority to give permission to start Research Centre so this agenda is deferred to RCC, HNBGU for further action.

**Agenda Item N0. 7. Any other important Item:**

1. Application by Pooja Pandey (2017) to Modify Methodology Section of Ph.D. Synopsis

**Resolution:** After discussion it was resolved that Ms Pooja Pandey is unable to conduct two experimental tests due to paucity of time and current pandemic situation. This exclusion will not affect the objectives of study so she is permitted to exclude these two tests- a. Trypsin Inhibitor Activity b. Hemagglutinins test





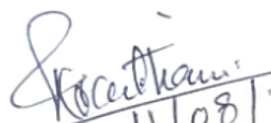
2. Application by Bharti Ruhela - for taking Co- guide from Chemistry department, NOC from Dr Sati and Bio-data of Dr Sati

**Resolution:** It was resolved that Ms Bharti Ruhela needs help from Chemistry Department for her experiments as there is no appropriate laboratory facility in home science department so is allowed to take Dr SC Sati, Assistant Professor, Department of Chemistry, Birla Campus as her Co-guide. She has to submit Bio-data of Dr Sati and NOC from him.

3. Attention of BOS members was drawn to towards the behavior of all three Research Scholars of 2019 batch. During the presentation of their progress report it emerged that the research work done by them was significantly inadequate and inferior. All three students have consistently displayed a casual attitude and lack of initiative towards their research work and have failed to keep in touch with their supervisors while working from home during the past year. Their total lack of interest and seriousness towards their primary duties as a research student is reflecting in the quality and quantum of their work output.

**Resolution:** The concerned supervisors will give them instructions to their Research scholars and will let them know about the consequences of their irresponsible behavior. If needed the convener can issue them warning letters.

- No other agenda to discuss

  
 11/08/2021  
 Prof. (Reekha Naithani)  
 Head  
 Home Science Department  
 H.N.B. Garhwal University  
 (Central University) Pauri (U.K.)

Prof ( Krishna Khambra)

Prof (Yamha Khokar)

  
 Prof ( Kiran Dangwal)

  
 Prof ( Manju Khanduri Pandey)


  
 Dr (Jyoti Tiwari)

  
 Dr (Archana Shah)

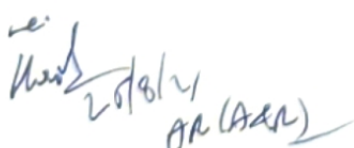
  
 Dr ( Anita Sati)

5



  
 Dean  
 School of Sciences  
 H.N.B. Garhwal University  
 Srinagar (Garhwal) 246174  
 Uttarakhand

U. examine

  
 20/8/21  
 AR (AR)



## Meeting of the Board of Studies (Home Science)

Date: 27<sup>th</sup> April 2022

In pursuance of the approval of the Hon'ble Vice- Chancellor and the university office order letter Ref: Acad/2022/970 dated 12/4/2022, the meeting of the B.O.S. (Home Science) was held on 27/04/2022 commencing from 11.00 am. Following members were present/ participated in the meeting.

1. Prof. Jyoti Tiwari	Chairperson	<i>Jyoti Tiwari</i>
2. Prof. Krishna Khambra	Subject Expert	online
3. Prof. Yama Khokhar	Subject Expert	Online
4. Prof Prof. Bharti Chauhan -	VC Nominee	ABSENT
5. Prof. Seema Dhawan	VC Nominee	<del>Seema Dhawan</del>
6. Prof. Rekha Naithani	Member	Online
7. Dr. Archana Shah	Member	<i>Archana Shah</i>
8. Dr. Anita Sati	Member	<i>Anita Sati</i>

In the above meeting of the B.O.S., the board resolved unanimously as under with regard to each agenda items:

The agenda items are as follows for consideration:

### Item No. 1 Interview of candidates for admission in Pre-Ph.D. home science Resolution:

Based on the eligibility 17 candidates were called for the interview. Out of which 10 had qualified the entrance exam and 7 candidates were from exempted category. Out of 10 candidates who had qualified entrance exam 07 were present and from the exempted category candidates 05 appeared for the interview and did their power point presentations. Merit list of candidates was prepared and submitted to the university

### Item No. 2 Presentation of Pre Submission of thesis of Ph. D. student Resolution:

The B.O.S. considered the Pre submission presentation of thesis and granted permission/ approved for the submission of thesis under the already approved research topic as per rules. The research supervisor as approved is mentioned against the name of candidate below:

S. No.	Name of the Research Scholar	Research Supervisor
01	Ms. Pooja Pandey	Prof. Rekha Naithani

### Item No. 3. Approval of New Syllabus of U.G Course (B.A.) Home Science based on NEP.

Resolution: Syllabus of B.A. Home Science was discussed and approved.

### Item No. 4. Presentation of progress reports by Ph.D. students.

*Jyoti Tiwari*

*Archana Shah*

*Rekha Naithani*

*Anita Sati*

**Resolution:**

The BOS considered the six monthly progress reports of the following Ph.D. Students/  
research scholars of Home Science department.

S.N.	Name of Research Scholar	Name of supervisor	Duration of the Progress Report
1	Ms. Manisha Rani	Prof. Jyoti Tiwari	From 7 <sup>th</sup> August 2021 to 6 <sup>th</sup> Feb 2022
2.	Ms. Pooja Pandey	Prof. Rekha Naithani	From 15 <sup>th</sup> May 2021 to 14 <sup>th</sup> Nov. 2021 From 15 <sup>th</sup> Nov. 2021 to 14 <sup>th</sup> May 2022
4.	Ms. Pratima Pandey	Dr. Anita Sati	ABSENT
3.	Ms. Neetika Dimri	Dr. Archana Shah	From 29 <sup>th</sup> July to 28 Jan 2022
	Ms. Seema Kumari	Prof. Jyoti Tiwari	ABSENT
4.	Ms. Ankita Bisht	Dr. Anita Sati	From 9 <sup>th</sup> August 2020 to 8 <sup>th</sup> Feb 2021 From 9 <sup>th</sup> Feb 2021 to 8 <sup>th</sup> Aug 2021 From 9 <sup>th</sup> Aug 2021 to 8 <sup>th</sup> Feb 2022
5.	Ms. Anjali Yadav	Prof. Jyoti Tiwari	From 5 <sup>th</sup> August 2020 to 4 <sup>th</sup> Feb 2021 From 5 <sup>th</sup> Feb 2021 to 4 <sup>th</sup> Aug 2021 From 5 <sup>th</sup> Aug 2021 to 4 <sup>th</sup> Feb 2022
6.	Ms. Bharti Ruhela	Prof. Rekha Naithani	From 23 July 2020 to 23 Jan 2021 From 23 Jan 2021 to 23 July 2021 From 23 July 2021 to 23 Jan 2022
7.	Ms. Rohini	Dr. Archana Shah	From 10 <sup>th</sup> Aug 2020 to 10 <sup>th</sup> Feb 2021 From 11 <sup>th</sup> Feb 2021 to 10 <sup>th</sup> Aug 2021 From 11 <sup>th</sup> Aug 2021 to 10 <sup>th</sup> Feb 2022

**Item No. 5. To decrease the number of seats in B.A. and M.A. Home Science****Resolution:**

The issue of seat intake in UG and PG Classes in Home Science view of NEP and CUCET was discussed and unanimous decision was taken with regard to intake of seats for session 2022-23. The BOS approved following number of seats :

Name of Campus	Seats in U.G. (Home Science)	Seats in P.G. (Home Science)
Birla Campus, Srinagar	40	25
BGR Campus, Pauri	30	12
SRT Campus, Tehri	30	20

**Item No. 6. Any other item.**

Consideration of earlier submitted reports of Ms. Ankita Pathak and Ms. Surekha  
Kumari

**Resolution:**

The BOS considered and approved the earlier submitted progress reports of Ms. Ankita Pathak and Ms. Surekha Kumari

Prof. Jyoti  
27/4/2022  
Head  
Home Science Department  
H.N.B. Garhwal University  
(Central Unit)  
Srinagar (Uttarakh.)

@Abhishek  
27/04/2022  
Dr. Anshu Singh

27-4-22

(Dr. Anurag Sahi)

(Prof. Seema Dhawan)



Dean  
School of Sciences  
H.N.B. Garhwal University  
Srinagar (Garhwal) 246174  
Uttarakhand

Hon'ble V.C.  
Route through DR Academic  
7-5-2022





11

### Proceedings of the BOS meeting of Mathematics (held on 30-05-2018)

A meeting of the Board of Studies of Mathematics was held on 30-05-18 at 11.00 AM in the Department of Mathematics, Birla Campus, HNB Garhwal University, Srinagar (Garhwal). The following members of the committee were present in the meeting:

- |                           |                 |                                |
|---------------------------|-----------------|--------------------------------|
| 01. Professor R.C.Dimri   | Head & convener | <i>RC Dimri</i><br>30.05.18    |
| 02. Professor D.S.Negi    | Member          | <i>D.S. Negi</i><br>30.5.18    |
| 03. Professor R. Dangwal  | Member          | <i>R. Dangwal</i><br>30.5.18   |
| 04. Professor M.S.Rawat   | Member          | <i>M.S. Rawat</i><br>30.5.18   |
| 05. Professor U.C.Gairola | Member          | <i>U.C. Gairola</i><br>30.5.18 |
| 06. Professor K.S.Rawat   | Member          |                                |
| 07. Professor S.C.Bhatt   | Member          |                                |
| 08. Professor O.K.Belwal  | Member          | <i>O.K. Belwal</i>             |
| 09. Dr.K.C.Petwal         | Member          | <i>K.C. Petwal</i>             |

**AGENDA (01):** Minutes of last BOS held on 08.02.2018.

**RESOLUTION:** Minutes of last BOS held on 08.02.2018 have been confirmed.

**AGENDA (02):** To review the syllabus of B.A./B.Sc., M.A./M.Sc. & pre-Ph.D. course work.

**RESOLUTION:** The committee reviewed the whole syllabus of UG, PG and Ph.D. course work of Mathematics in detail and proposed the changes as following :

(i). B.A. /B.Sc.:

- "Analytical Geometry" included in place of "Mathematical Modeling" in the pool of SEC papers.
- A few changes have been done in "Algebra" (Core), "Matrices" (DSE) & "Linear Algebra" (DSE) papers.

Dept. of Sciences  
H.N.B. Garhwal University  
(B. Campus, Srinagar)Srinagar, J.K. 246374

*RC Dimri*  
30.5.18

*D.S. Negi*  
*R. Dangwal*  
*M.S. Rawat*

*U.C. Gairola*  
30.05.18

*K*



(ii). M.A./M.Sc. :

- In semester I, "Abstract Algebra I" is revised.
- In semester II, "Abstract Algebra II" is revised.
- In semester II, "Real Analysis" included in place of "Graph Theory"
- In semester II, "Metric Spaces" included in place of "Topology I"
- In semester III, "Topology II" is revised and named as "Topology".
- In semester III, "Differential Equations" is included in place of "Measure and Integration I".
- In semester III "Calculus of Variations" is modified.
- In semester III, "Mathematical Statistics" is included in place of "Fluid Mechanics"
- In semester III, Self Study course paper "Mathematical Methods" is revised.
- In semester III, "Algebraic Coding Theory" is revised and modified.
- In semester IV, "Measure and Integration II" is revised and named as "Measure and Integration".
- In semester IV, "Integral Equations & Boundary Value Problems" is revised and named as "Linear Integral Equations".
- In semester IV, "Fluid Mechanics" is included in place of "Biomechanics".
- In semester IV, "Theory of Numbers" is revised and named as "Number Theory".
- Some text books/Reference books are added.

(iii) Pre-Ph.D. course: The committee revised some papers of Ph.D. course work as following.

- One more unit is added to "Research Methodology" paper.
- "Algebraic Topology" is included in place of "Bio Mathematical Modelling".
- "Mathematical Analysis" is revised and modified.
- The committee unanimously approved the changes in the syllabus to be effective from the session 2018-19.

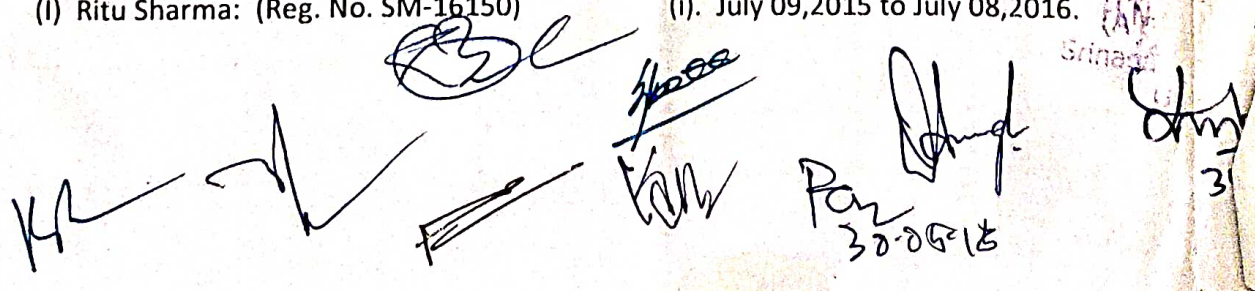
**The whole revised syllabus is being attached herewith for the approval of Academic Council.**

**AGENDA(03):** Approval of the annual progress report of the Ph.D. research scholars.

**RESOLUTION :** All the following research scholars have presented their annual progress report and the BOS committee found the reports satisfactory. The committee approved the annual research progress report of the following students.

(I) Ritu Sharma: (Reg. No. SM-16150)

(i). July 09,2015 to July 08,2016.


 The bottom section of the page contains several handwritten signatures and stamps. On the left, there are three distinct signatures. In the center, there is a signature that appears to be 'Ritu Sharma' with a date '30-06-18' written below it. To the right, there is a signature and a red circular stamp that reads 'Dean' and '31'. There are also some other illegible handwritten marks and a date '31' at the bottom right.



14

# Proceeding of the BOS meeting of Mathematics (Held on 20-02-2019)

Meeting of the Board of Studies of Mathematics was held on 20-02-2019 at 10.00 AM in the Department of Mathematics, Birla Campus, HNB Garhwal University, Srinagar (Garhwal). The following members of the committee were present in the meeting:

- Professor R.C. Dimri
- Professor D.S. Negi
- Professor R. Dangwal
- Professor M.S. Rawat
- Professor U.C. Gairola
- Professor K. S. Rawat
- Professor S.C Bhatt
- Professor O .K. Belwal
- Mr K. C. Petwal

- Head & Convener Petwal
- Member [Signature] 20/2/19
- Member [Signature]
- Member [Signature] 20/02/2019
- Member [Signature] 20/02/19
- Member [Signature]
- Member [Signature] 20-02-19
- Member [Signature] 20/02/19

**RESOLUTION (01):** Minutes of last BOS held on 28-12-2018.

**RESOLUTION:** Minutes of last BOS held on 28-12-2018 have been confirmed.

**RESOLUTION (02):** Approval of the annual progress report of Ph.D. research scholars.

**RESOLUTION:** All the following research scholars have presented their annual progress report. The committee has approved the annual research progress reports of the following students.

- |  |                                  |
|--|----------------------------------|
| 1. Sudheer Petwal:(Reg. No. SM-16154)  | (i). 08-07-2018 to 19-02-2019.   |
| 2. Prateek Goyal:(Reg. No. SM-16145)   | (i). 08-07-2015 to 07-07-2016.   |
|  | (ii).08-07-2016 to 07-07-2017    |
|  | (iii). 08-07-2017 to 07-07-2018. |
| 3. Kapil Naithani: (Reg. No. SM-16157) | (i) 09-07-2017 to 08-07-2018.    |
| 4. Vikas Kumar : (Reg. No. SM- 16146)  | (i) 08-07-2017 to 08-07-2018.    |

[Signature] 20/2/19

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[Signature]

[Signature] 20/02/19  
(Prof R.C. Dimri)

[Signature]

[Signature]

[Signature]



- 05. Manoj Singh Bisht (SM-17084):  
(i). 15-11-2017 to 14-05-2018  
(ii). 15-05-2018 to 14-11-2018.
- 06. Swati Antal (SM-17085):  
(i). 14-11-2017 to 13-05-2018  
(ii). 14-05-2018 to 13-11-2018.
- 07. Km. Smita Negi (SM-17086):  
(i). 15-11-2017 to 14-05-2018  
(ii). 15-05-2018 to 14-11-2018.
- 08. Meena Joshi (SM-17089):  
(i). 15-11-2017 to 14-05-2018  
(ii). 15-05-2018 to 14-11-2018.
- 09. Sham Bansal (SM-17088):  
(i). 15-11-2017 to 14-05-2018  
(ii). 15-05-2018 to 14-11-2018.
- 10. Neelanjana Rajput (SM-17087):  
(i). 13-11-2017 to 12-05-2018  
(ii). 13-05-2018 to 12-11-2018.

All above reports have been forwarded by the concerned supervisors with the comments and recommended by the concerned RAC for the approval of BoS.

**RESOLUTION:** The six months progress reports of the students as listed above have been approved by the BoS.

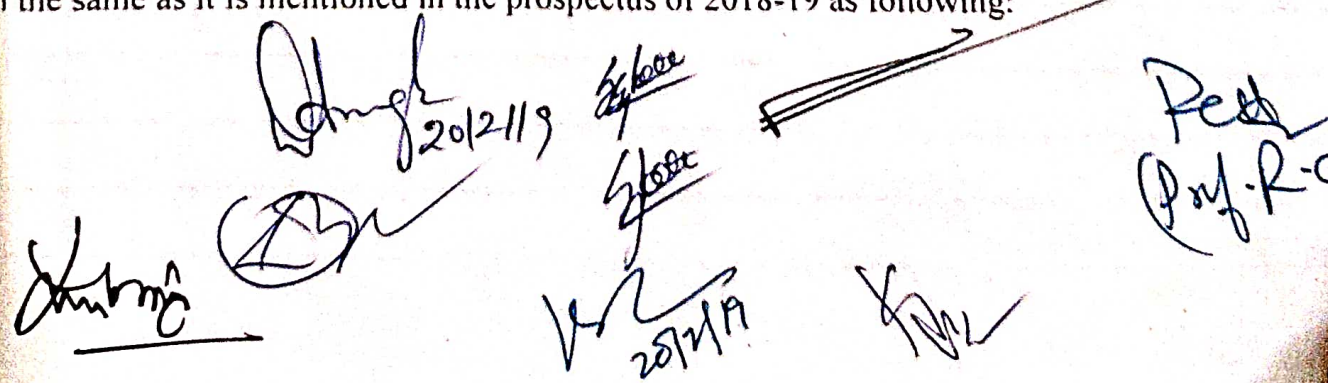
**AGENDA(05) :** Adoption of MOOCs course through SWAYAM platform in Birla Campus for PG students of Mathematics.

Deptment of Mathematics, Birla Campus has decided to choose the course on the paper "Functional Analysis" of 04 credits for the students of M.A./M.Sc. (Mathematics) from the available list of MOOCs course as provided by the SWAYAM Board.

**RESOLUTION:** BoS approved the adoption of the course on "Functional Analysis" through SWAYAM platform with effect from this session for the students of 4<sup>th</sup> semester of PG.

**AGENDA(06):** Availability of Total number of seats in Mathematics for UG and PG programmes in all three Campuses of the University.

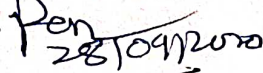
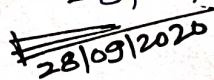

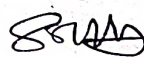
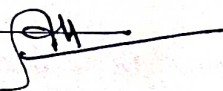
**RESOLUTION:** Number of seats for admissions in UG and PG courses of Mathematics will remain the same as it is mentioned in the prospectus of 2018-19 as following:


 A collection of handwritten signatures and dates. On the left, a signature is dated 20/2/19. In the center, a signature is dated 20/2/19. To the right, another signature is dated 20/2/19. On the far right, a signature is dated 20/2/19. There are also some scribbles and other marks.



**Proceedings of the BoS meeting of Mathematics  
(Held on 28-09-2020)**

A meeting of the Board of Studies of Mathematics was held on 28-09-2020 at 3.15 PM onwards through online mode using Zoom app (meeting ID: 885 1526 3094, Passcode: 339116). The following members of the committee were present in the meeting:

01. Professor R.C. Dimri	Head & Convener	
02. Professor M.S. Rawat	Member	
03. Professor R. Dangwal	Member	
04. Professor U.C. Gairola	Member	
05. Professor K .S. Rawat	Member	
06. Professor T.C. Upadhyay	Member	
07. Professor S.S. Rawat	Member	
08. Professor M.K. Gupta	Member (External)	
09. Professor M.C. Joshi	Member (External)	
10. Professor R.K. Pandey	Member (Convener, Affiliated Colleges)	
11. Dr. Ashok Kumar	Member	

**AGENDA ITEM No. 01:** Confirmation of minutes of last BoS held on 28-02-2020 and 29-02-2020.




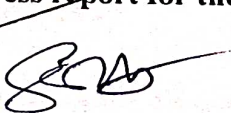
**RESOLUTION:** Minutes of last BoS held on 28-02-2020 and 29-02-2020 have been confirmed.

**AGENDA ITEM No. 02:** To consider and approve the 6<sup>th</sup> annual progress report of Ph.D. research scholar Mr. Deepak Dhiman.

Following research scholar has presented his 6<sup>th</sup> annual progress report.

1. Mr. Deepak Dhiman (SM-15225): From 02-04-2019 to 01-04-2020.

**RESOLUTION:** Based on the performance and presentation of the progress report by the research scholar, the committee approved the research progress report for the period as mentioned.





**RESOLUTION:** Based on the performance and presentation of the progress reports by the research scholars, the committee approved the six months progress reports of all the students.

**AGENDA ITEM No. 04:** (i). To consider and include the paper of "INTEGRAL TRANSFORMS" in place of paper XXV "Fluid Mechanics" in M.A./M.Sc. IV semester Mathematics course.

(ii). In the last unit IV of the paper of "Measure and Integration" ( M.A./M.Sc. IV semester), Riesz-Fischer Theorem be replaced by Riesz Theorem.

**RESOLUTION:** (i). The committee approved that the paper of "Integral Transforms" be included in place of Fluid Mechanics in the syllabus of M.A./M.Sc. IV semester Mathematics. The contents of the paper are as below:

M.A./M.Sc. IV Semester

Paper: XXV

SOS/Math/E008

### INTEGRAL TRANSFORMS

**Unit I:** Laplace Transform: Definition, Examples, Basic Properties of Laplace Transforms, The Convolution Theorem, Laplace Transforms of derivative and Integrals, The error function, Periodic functions.

**Unit II:** Inverse Laplace Transform and their Properties, First & Second Shifting Properties, Inverse Laplace Transforms of Derivative and Integrals, Tauberian Theorem, Solution of Initial value problems for linear equations with constant coefficients, Linear differential equations with variable coefficients.

**Unit III:** Orthogonal set of functions, Fourier series, Fourier sine and Cosine series, Half range expansions, Fourier Integral Theorem, Fourier Transform and their Basic Properties.


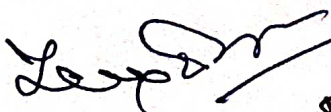
**Unit IV:** Fourier Cosine Transform, Fourier Sine Transform, Transforms of Derivatives, Fourier Transforms of simple Functions, Fourier Transforms of Rational Functions, Convolution Integral, Parseval's Theorem for Cosine and Sine Transforms, Inversion Theorem, Solution of Partial Differential Equations using Fourier Transforms.

#### Books Recommended:

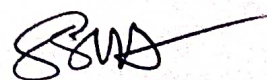

1. Integral Transforms and Their Applications by Lokenath Debnath & Dambaru Bhatta, Chapman & Hall/CRC, Taylor and Francis Group, London, Newyork, 2007.
2. Integral Transforms in Applied Mathematics by John W. Miles, Cambridge University Press, 2010.
3. Ian N. Sneddon, Fourier Transforms, Dover Publications, 2010 .
4. Advanced Engineering Mathematics by H.K. Dass, S. Chand, New Delhi, 2015.

(ii). Further, Committee approved inclusion of Riesz Theorem in place of Riesz-Fischer Theorem in the paper of "Measure and Integration" (Paper XXIII) in M.A./M.Sc. IV semester.

Change in syllabus will be effective from the current academic session 2020-21. The students of 2019-21 batch will also adopt the revised syllabus accordingly in their IVth semester.

28/09/2020



**AGENDA ITEM No. 05:** To consider modification in the self study paper "Mathematical Methods" in M.A./M.Sc. III semester in view of inclusion of paper of "Integral Transforms" in M.A./M.Sc. IV semester.

**RESOLUTION:** The committee agreed to modify paper of self-study on Mathematical Methods as below:

**Paper -XX (a) MATHEMATICAL METHODS SOS/Math/E006 (a)**

- I. Hermite polynomials.
- II. Chebyshev polynomials.
- III. Laguerre polynomials.
- IV. Hypergeometric functions.

Change in syllabus will be effective from the current academic session 2020-21. The students of 2019-21 batch will also adopt the revised syllabus accordingly in their IIIrd semester.

**AGENDA ITEM NO. 06:** To consider offering the SWAYAM MOOC Courses for UG, PG and pre-Ph. D. students.

**RESOLUTION:** The board recommends the teaching and learning through SWAYAM MOOCs, SWAYAMPRAKASHA and all digital platforms of Ministry of Education, Govt. of India.

**For credit transfer:** The board agreed to offer the SWAYAM MOOC courses for credit transfer with following conditions

- (a). If a course of SWAYAM MOOC matches with the prescribed syllabi by more than 70 %, then it can be offered to the students for credit transfer (40% of total credits limit).
- (b). The list of course/s offered for credit transfer shall be notified to students and SWAYAM Coordinator every semester by the convener BOS.

In this semester following papers are recommended for learning and credit transfer (subject to the limit of one paper (06) credits in a semester):

(i). Real Analysis –I:

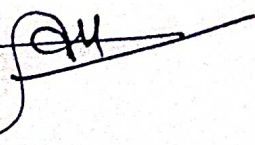
[https://swayam.gov.in/nd1\\_noc20\\_ma51/preview](https://swayam.gov.in/nd1_noc20_ma51/preview); (Credit 6); September-December 2020, 12 weeks  
Real Analysis - BA/BSc III (Matching more than 70% of syllabus).

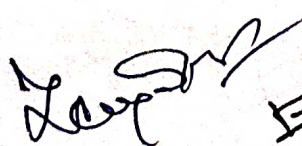
(ii). Linear Algebra:

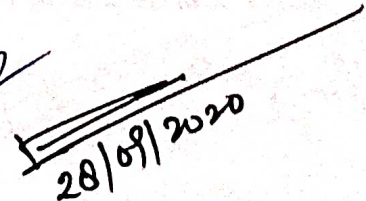
[https://swayam.gov.in/nd1\\_noc20\\_ma54/preview](https://swayam.gov.in/nd1_noc20_ma54/preview); (Credit 6); September-December 2020, 12 weeks;  
BA/BSc V (DSE 1A) (Matching more than 80% of syllabus).


(iii). Operations Research:

[https://swayam.gov.in/nd2\\_cec20\\_ma19/preview](https://swayam.gov.in/nd2_cec20_ma19/preview); (Credit 3); September-December 2020, 15 weeks  
Operations Research -I, MA/MSc -I, (SOS/Math/C005) (Matching more than 80% of syllabus).





  
28/09/2020







- c). If the syllabi match more than 70 % then university can take the credit call as per the syllabus. For completing a similar course of 4 credits, which is of 6 credits in syllabus, credit call can be taken for 6 credits against the received 4 credits through SWAYAM MOOC).
- d). If any student passes course/s from SWAYAM MOOCs and that course is not in the prescribed syllabi, then no credits will be given for that course. But the name of the SWAYAM MOOC course passed shall be mentioned in the marks sheet, if it is relevant to the said degree programme (after the written request and submission of certificate by student).
- e). Board agreed and approve to offer the first SWAYAM MOOC of H.N.B. Garhwal University entitled "Academic Writing" ([https://swayam.gov.in/nd2\\_cec20\\_ge29/preview](https://swayam.gov.in/nd2_cec20_ge29/preview)) by Course Coordinator Dr. Ajay Semalty to all students of Pre- Ph.D. students. The students can do the course as self-study course and for the same after successful completion of the course the 4 credits (or as applicable as per syllabi) shall be credited to students.
- f). "Academic Writing" course is free to enroll for all students irrespective of level and subject and it would be mentioned in the mark sheet (if passed) of student with or without credits as applicable (after the written request and submission of certificate by student).

**AGENDA ITEM No. 07: To consider and approve the title of the synopsis for Ph.D. research work of the following students of 2018 batch:**

(i) Name of the student: Shivam Rawat.

Title of the synopsis: Some Results in Metric Fixed Point Theory with Applications.

Supervisor: Prof. R.C. Dimri, Birla Campus Srinagar.

(ii). Name of the student: Monika Bisht

Title of the synopsis: Various Computational Approaches for Optimization in Transportation Problems.

Supervisor: Prof. R. Dangwal, Pauri Campus Pauri.

(iii). Name of the student :Akshay Saini:

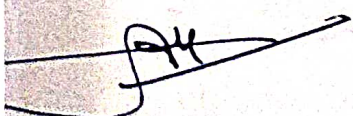
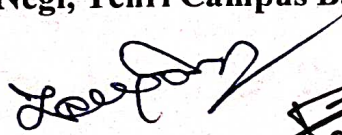
Title of the synopsis: Numerical Simulation of Hydro-magnetic Convective Flow in Porous Enclosures.

Supervisor: Dr. Ashok Kumar, Birla Campus Srinagar.

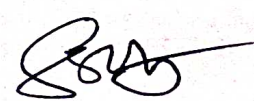
(iv). Name of the student: Preeti Chauhan.

Title of the Synopsis: Geometry and Orientation Analysis of Riemann-Kaehlerien Manifolds.

Supervisor: Dr U.S.Negi, Tehri Campus Badshahitaul Tehri:

28/09/2020


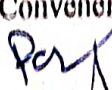


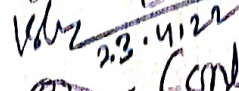


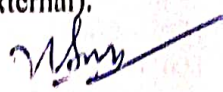
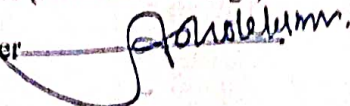





**Proceeding of the BOS meeting of Mathematics  
(Held on 22-04-2022 and 23-04-2022)**

A meeting of the Board of Studies of Mathematics was held on 22-04-2022 and 23-04-2022, at 10.00 AM onwards in the department of mathematics through online & offline mode using Google Meet (Meeting Id: [meet.google.com/eub-xlxx-mhg](https://meet.google.com/eub-xlxx-mhg)). The following members of the committee were present in the meeting:

01. Professor M.S. Rawat
02. Professor R.C. Dimri
03. Professor U.C. Gairola
04. Professor R. Dangwal
05. Professor K.S. Rawat
06. Professor O.K. Belwal
07. Professor S.K. Gupta
08. Professor Sandip Banerjee
10. Professor V.N. Mishra
11. Dr. U. S. Negi
12. Dr. Jaipal Singh
13. Dr. Ashok Kumar

- Head & Convener 
- Member 
- Member 
- Member 
- Member 
- Nominee  (Online)
- Nominee  (Online)
- Member (External)
- Member (External)
- Member 
- Member (Affiliated College)
- Member 

**AGENDA ITEM (01):** Confirmation of Minutes of last BOS held on 24-08-2021.

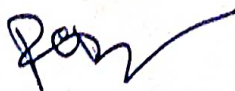
**RESOLUTION:** Minutes of last BOS held on 24-08-2021 have been confirmed.

**AGENDA ITEM (02):** Approval of the six months progress report of Ph.D. research scholars of 2017-18 batch, 2018-19 batch and 2019-20 batch.

**Batch 2017-18**

S.No.	Name	Registration No.	Date of Admission	Report Time Period
01	Shyam Bansal	SM-17088	15-11-2017	15-05-2021 to 14-11-2021

All above reports have been forwarded by the concerned supervisors for the approval of BoS.









To  
Head of the Departments

Dear colleagues, kindly provide the following information totally based on the minutes of your BoS meetings. Example is also provided for your assistance in another file.

Please furnish the following information in the given formats. For information related to two points i.e. 1.1.2 and 1.2.1 please provide the BoS proceedings in PDF format (Please send the first page of the BoS proceedings along with the page in which concerned information is mentioned)

Please provide the information by 22 April, 2023.

Thank you for your cooperation

Name of Department: *Physics*

1.1.2

Metric No.	Information required	Date of change as per BoS minutes				
		July 2017-June 2018	July 2018-June 2019	July 2019-June 2020	July 2020-June 2021	July 2021-June 2022
1.1.2	1. Name of programme in which syllabus of any paper was changes or new paper was introduced between July 2017 to June 2022.					
Category of programme	U.G.					
	P.G.					
	M.Phil					
	Ph.D / <i>Pre-Ph.D.</i>			<i>24/2/2020</i>		
	Certificate or Diploma course					
Please mention the exact date for each academic session (as per Bos minutes) in which program was modified						

1.2.1

Metric No.	Information required	Date of introduction of new course (paper) and its name(s) as per BoS minutes				
		July 2017-June 2018	July 2018-June 2019	July 2019-June 2020	July 2020-June 2021	July 2021-June 2022
1.2.1	1. Name of new courses(papers) in which were introduced between July 2017 to June 2022.			<input checked="" type="checkbox"/>		
Category of	U.G.					

*Agenda No.7  
RPE during  
Pre-Ph.D.  
course*



DEPARTMENT OF PHYSICS  
HNB GARHWAL UNIVERSITY SRINAGAR GARHWAL  
(A CENTRAL UNIVERSITY)  
BOARD OF STUDIES (24 Feb 2020)




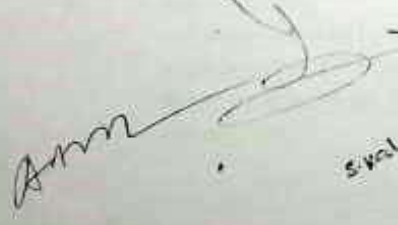
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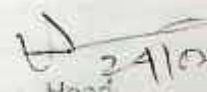

Agenda-2: Consideration of progress reports submitted by research scholars.

Resolution-2: On the basis of progress reports submitted / presented by the research scholars, following Reports for the duration mentioned against their names, are found satisfactory, and hence forwarded for approval of the competent authority.

**PROGRESS REPORTS OF PHYSICS RESEARCH SCHOLARS:**

S.N.	Name of Research Scholars	Reg.No.	Periods of Progress Report
1	GARIMA YADAV	SP-15251	APRIL 2014 – APRIL 2015 APRIL 2015 – APRIL 2016 APRIL 2016 – APRIL 2017 APRIL 2017 – APRIL 2018 APRIL 2018 – APRIL 2019 APRIL 2019 – FEBRUARY 2020
2	SIDHARTH KASHYAP	SP-17155	JUNE 2019 TO NOVEMBER 2019
3	PAWAN SINGH	SP-17157	MAY 2019 TO NOVEMBER 2019
4	MUZAFFAR IQBAL KHAN	SP-17156	MAY 2019 TO NOVEMBER 2019
5	ANJU NIGAM	SP-16248	28 <sup>TH</sup> MAY 2019 TO 27 <sup>TH</sup> NOVEMBER 2019
6	POOJA RAWAT		13 <sup>TH</sup> NOVEMBER 2018 TO 12 <sup>TH</sup> MAY 2019 13 <sup>TH</sup> MAY 2019 TO 12 <sup>TH</sup> NOVEMBER 2019
7	BINEET GAUR	SP-15206	MARCH 30, 2018 TO MARCH 30, 2019
8	RICH SHARMA	SP-16247	MAY 2019 TO JANUARY 2020
9	POOJA		13 NOVEMBER 2018 TO 12 MAY 2019 13 MAY 2019 TO 12 NOVEMBER 2019
10	TAUFIQ AHAMAD		14 MAY 2019 TO 13 NOVEMBER 2019

  
 24-02-2020  
  
  
  
 s.v.s.

  
 24/02/2020  
 Prof. P.D. Semalty  
 Convener-BOS  
 H.N.B. Garhwal University  
 Srinagar Garhwal  
  
 24/2/2020











In reference with the letter No |शैक्षणिक|2016|17 dated 12.03.2018 issued by the Registrar, HNB Garhwal University, the meeting of BOS (Statistics) was held in the department of Statistics, HNB Garhwal University, Birla Campus on 14.03.2018 at 11.00 a.m.

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Members Present:

- 1. Prof. Rajeev Pandey *RP*
- 2. Prof. Uma Srivastava *US*
- 3. Prof. O.k. Belwal *OB*
- 4. Prof. M.S. Rawal *MSR*
- 5. Prof. M.M.S. Rantham *MMSR*
- 6. Dr. Lakhan Singh *LS*
- 7. Dr. G.S. Yadava *GSY*
- 8. Prof. V.S. Singh (CONVENER) *VSS*

14/3/18

14/3/18

The following under noted resolutions have been recommended by BOS.

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Item No: 1: The board members confirmed the minutes of BOS (Statistics) held on 09.10.2017, however the minutes of BOS held on 12.09.2017 have not been confirmed in the previous meeting held on 09.10.2017. The Registrar may kindly peruse the minutes of meeting of 09.10.2017 and accordingly take the necessary suitable action to avoid any legal complication.

per UGC

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Item No: 2: The panel of 10 experts has been recommended and the list of the same is handed over to Hon'ble Vice-Chancellor by the Convener (BOS), Prof. V.S. Singh in a sealed confidential

*RP* 14/3/18  
*US* 14/3/18  
*OB* 14/3/18  
*MSR* 14/3/18  
*MMSR* 14/3/18  
*LS* 14/3/18  
*GSY* 14/3/18  
*VSS* 14/3/18



envelope marked as "To be opened by addressee only".  
(ANNEXURE I).

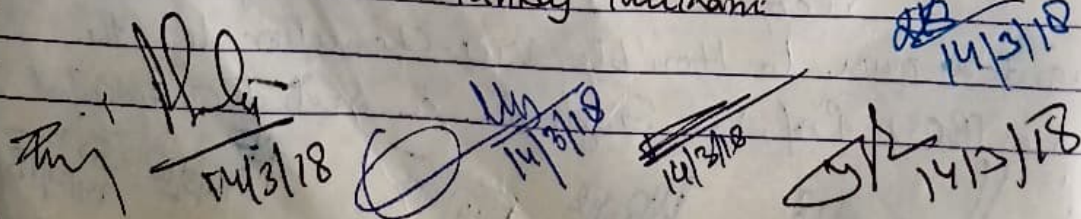
Item No: 3; The board members recommended the syllabus of BA/BSc (UG) and MA/MSc (PG) Course in Statistics to be commenced from the Academic Session 2018-19. The ANNEXURE II of this syllabus is submitted to the Registrar. It is also suggested that no action in respect of paper-setting, appointment of examiners and other related work in this matter should be taken with the consent of the Convenor (BOS).

Item No: 4; The BOS recommended Mr. Rakesh Singh for the award of D.Phil Degree as per UGC Regulation 2009 (IV amendment),

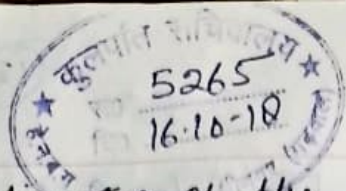
Item No: 5; The progress report of Ms. Renuka Rawat and Mrs Nidhi Malik under the supervision of Prof O.K. Selwal was considered for extension of one year i.e. upto <sup>April</sup> March 15, 2019 as per on the basis of their previous work done so far. (Annexure - III).

Item No: 6; The following candidates have been recommended to enroll in Ph.D. Program subject to their clearance in Ph.D. Course work to be conducted in near future.

1. Ms. Tarun Preet Kaur
2. Mr. Pankaj Naithani

  
The following candidates have been recommended to enroll in Ph.D. Program subject to their clearance in Ph.D. Course work to be conducted in near future.  
1. Ms. Tarun Preet Kaur  
2. Mr. Pankaj Naithani  
14/3/18  
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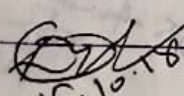
## Minutes of the Meeting of the BOS Statistics


With reference to University letter No. Acad/2018/493 dated 06.10.2018, issued by the Registrar, H.N.B. Garhwal University, a meeting of BOS (Statistics) was held in the Department of Statistics, HNB Garhwal University, Birla Campus on 15 October, 2018, at 11 a.m. in which the following members were present.


### Members Present

1. Prof. V.S. Singh, Head (Convener), Dept. of Statistics, SRT Campus, Badshahi Chaul.
2. Prof. D.K. Belwal, Statistics, H.N.B.G.U. Srinagar (G.)
3. Prof. M.M.S. Rautan
4. Prof. M.S. Rawat
5. Dr. Lekhan Singh, Statistics, H.N.B.G.U. Srinagar (G.)

The proceeding of the meeting is enclosed with the register

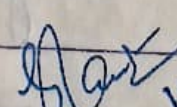
 15/10/2018

 15-10-2018

 15/10/2018

Hon'ble VC

For kind approval

 16-10-2018



Item No: 7: Dr. Piyush Mishra, Assistant Professor in Statistics, Dept. of Statistics, DAV PG College, Dehradun fulfils the criteria of being Supervisor in view of his letter along with the complete bio-data. The bio-data in six copies (Annexure III) along with his application is being submitted to Depty Deputy Registrar (Research). The BOS recommended him to supervise Ph.D. Students.

Item No: 4: The Board of Studies strongly recommended that proper file of BOS (Statistics) meetings should be maintained and be placed in future with all documents submitted earlier and in the future. The meeting is over with vote of thanks to chair.

*[Handwritten signatures and dates]*  
14/3/18  
14/3/18  
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14/3/18

Honble V.C.  
forwarded

*[Handwritten signature]*  
14-03-18

05 April  
*[Handwritten signature]*  
14/3

Recommendation of Board of Studies held on 14-03-2018 may kindly be approved.

Honble re  
*[Handwritten signature]*  
12/3/18  
For approval  
*[Handwritten signature]*  
14/3

*[Handwritten signature]*  
16/3/2018



The meeting BOS (Statistics) was held on 02-05-19 at 11:30 a.m. at Department of Statistics, HNB Garhwal University, Srinagar Campus.


Members Present:

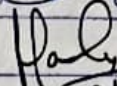
Prof. D.K. Belwal

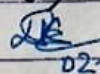
Prof. Rajeev Pandey (Expert)

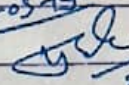
Dr. Laksham Singh

Prof. V.S. Singh (Convener)

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 02/5/19

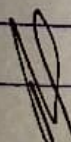
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
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Item No: 1: The board members confirmed the minutes of BOS (Statistics) held on 15.10.2018 with the following revised syllabus of UG and PG Course to be commenced from the academic Session - 2019-20, as recommended in the item No 4. of the BOS (Statistics) held on 15.10.2018.


Item No: 2. The board members recommended that Revised Syllabus of UG and P.G. courses as appended Appendix-A and Appendix-B and recommended to upload the same in the website of the University. These syllabus shall be enforced from the academic session 2019-20.

Item No 3: The board members passed the Yearly Progress report of Ms. Renuka Rawat (Reg. No. 55-15020) for

 02/5/19

 02-05-19

 02-05-19

 2/5/19





the Session 2014-15, 2015-16, 2016-17, 2017-18 and from April 2018 to October 2018.

Item No 4: In view of G.O. relating with Socio-Economically weaker <sup>Section</sup> - reservations in admissions, the board members recommend 5% seat against Socio-Economically weaker Section-candidates in the two consecutive Session 2019-20 and 2020-21 are to be reserved. The seat matrix is given below for the above two sessions.

Item No: 5: The BOS recommended that 05 (five) seats for M.A. in Statistics should be initiated from the Session 2019-20 in SRT Campus, Tehri.

SEAT MATRIX

	Srinagar Campus (Birla)			SRT Tehri			BGR Pauri		
	18-19	19-20	20-21	18-19	19-20	20-21	18-19	19-20	20-21
BSC	130	136	143	30	31	32	30	31	32
M.Sc.	25	26	27	20	21	22	0	0	0
B.A	30	31	32	20	21	22	20	21	22
M.A.	10	10	11	00	05	05	0	0	0

The meeting is over with the vote of thanks to Chair.

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02/5/19

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02-05/19

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02-05-19

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2/5/19

Forwarded for n.g.  
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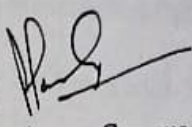

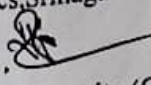

for approval  
*[Signature]*  
Approved  
24-5-2019  
*[Signature]*  
12/5



Minutes of BOS (Statistics)

The meeting of BOS (Statistics) was held on 03.03.2020 at 12.00 noon in the department of Statistics, Srinagar Campus, Srinagar, Garhwal.

Members Present:

1. Prof. Rajeev Pandey (External Expert) 
2. Prof. O.K. Belwal, Deptt. of Statistics, Srinagar Campus, H.N.B. Garhwal University 
3. Dr. Lakhan Singh, Assistant Professor, Deptt. of Statistics, Srinagar Campus, H.N.B. Garhwal University. 
4. Prof. V.S. Singh, Head, Deptt. of Statistics, H.N.B. Garhwal University (Convener) 

**Item No 1:** The interview of candidates who qualified the Ph.D. Entrance Program (2019) in Statistics was held in the Department of Statistics on 03.03.2020.

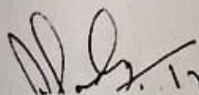
The following members are present in the Expert Panel.

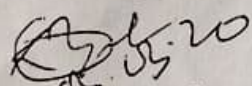
5. Prof. Rajeev Pandey (External Expert)
6. Prof. V.S. Singh, Head, Deptt. of Statistics, H.N.B. Garhwal University
7. Prof. O.K. Belwal, Deptt. of Statistics, Srinagar Campus, H.N.B. Garhwal University
8. Dr. Lakhan Singh, Assistant Professor, Deptt. of Statistics, Srinagar Campus, H.N.B. Garhwal University.


**Item No 2:** The members provided the marks out of 30 as per guidelines provided by the Coordinator, M.Phil/ Ph.D. Entrance Exams- 2019, H.N.B. Garhwal University, Srinagar (Garhwal). The marks of the candidates is being annexed with this letter in a sealed confidential envelop, addressed to Coordinator.

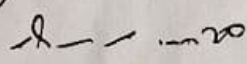
**Item No 3:** The members also approved the Pre-Ph.D. Submission of the thesis of Ms. Nidhi Malik entitled "A Queuing .....Teaching Hospital" under the supervision of Prof. O.K. Belwal.

**Item No 4:** In view of the letter of Ms. Nidhi Malik, the members also approved the Re-registration from 11.04.2019 to 10.04.2020 for her Ph.D. work.

 12/03/20

 05/03/20

 03-03-2020

 12-3-20



Item No 5: In view of the Letter No. D.D. F-1-1/ 2018 (Journal/ CARE) dated December 2019, issued by Secretary, Prof. Rajnish Jain, the Members recommended the following papers for the Pre-Ph.D. Course Work (Statistics).

Paper I: PPS I (Credit 2): Statistical Methods and Data Analysis.

Paper II: PPS II (Credit 1): Research and Publication Ethics (RPE).

### RPE 02: Scientific Conduct

1. Ethics with respect to science and research.
2. Intellectual honesty and research integrity.
3. Scientific misconducts: Palsification, Fabrication and Plagiarism. (FFP)
4. Redundant publications: duplicate and overlapping publications, salami slicing.
5. Selective reporting and misinterpretation of data.

### RPE 03: Publication Ethics

1. Publication ethics: definition, introduction and importance.
2. Best Practices/ standards setting initiatives and guidelines: COPE, WAME, etc.
3. Conflict of interest
4. Publication of misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types.
5. Violation of publication ethics, authorship and contributorship.
6. Identification of publication misconduct, complaints and appeals.

Elective Course: As per Old Syllabus

Item No 6: In reference with the Letter No. Teaching/ 2020/93 dated 22.02.2020, the members recommended the following two subject experts.

1. Prof. S.K. Sharma  
Deptt. of Statistics  
Punjab University  
Chandigarh
2. Prof. T.B. Singh  
Deptt. of Statistics  
IMS, BHU, Varanasi.

*Handwritten signatures and dates:*  
03/03/2020  
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03/03/2020

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03-03-2020

7: Members recommended the establishment of Journal Club of the department of (Srinagar Campus) in reference with the letter of Prof. O.P.Gusain vide his letter dated 2019. Dr. Lakhan Singh is being proposed as the Chairman of the club.

8: The Results of the Ph.D. Admissions for the Session 1919.

Allocation as per University Rules

Sl. No.	Seat	General	OBC	EWS	SC
1	Campus Seat	01	01	01	-
2	College Seat	-	-	-	01

Final result recommended by the members

Sl. No.	Name of Candidate	Category	Total Marks Obtained	Seat
1	Radhika Aggarwal	General	62	Campus Seat
2	Richa Sharma	General	56	* Waiting Campus Seat
3	Nidhi Gairola	General	54	* Waiting Campus Seat
4	Manish Kumar	SC	55	College Seat

If there is any provisions or bylaws in Admissions of M.Phil. / Ph.D. Ordinance of the University, the members also recommended to convert the position of OBC Seat (University Campus) into General, if deemed fit, as no candidate of OBC category qualified the entrance exams of Ph.D. Admission 2019.

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03/3/2020

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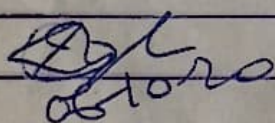
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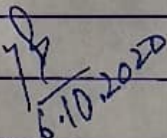


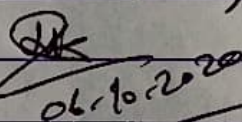
## Proceedings of the BOS Statistics

With reference to the University letter  
No Acad/2020/347 date of 10-10-20 a  
meeting of the BOS, Dept. of Statistics  
will held on 06 October 2020 at 11.30  
A.M. The following members <sup>are</sup> present  
in the meeting.

1. Prof. V. S. Singh, HOD Statistics
2. Prof. O. K. Belyak, Dept. of Statistics
3. Prof. Rajeer Pande, HOD Statistics  
Lucknow University
4. Prof. T. B. Singh, Dept. of Statistics  
IMS, BHU, Varanasi
5. Prof. M. S. Rawat - HOD Maths
6. Prof. M. M. S. Rathan, HOD Computer  
Science
7. Dr. Lakhan Singh, Dept. of Statistics  
HNBHU

  
06.10.2020

  
06.10.2020

  
06.10.2020

Proceedings of the meeting enclosed  
in Page 20.

