



**Dr. Ramesh Chand Thakur**  
(Director)

**Internal Quality Assurance Cell**  
(NAAC Accredited "A" Grade University)  
**Himachal Pradesh University, Shimla-05**  
Mobile- 98760-71296 (Director) 508 (Office)  
Email- [directoriqachpushimla@gmail.com](mailto:directoriqachpushimla@gmail.com)

**3.4.1 The Institution implements its stated Code of Ethics for research through the following:**

1. Inclusion of research ethics in the research methodology course work
2. Presence of Ethics committee
3. Plagiarism check through software
4. Research Advisory Committee

**(Director IQAC)**  
Director  
IQAC  
(Internal Quality Assurance Cell)  
HPU Shimla-05

### **Constitution of Research Degree Committee (Department of Geography)**

#### **3.4.1 Institutional Ensurance regarding Implementation of its Stated Code of Ethics for Research**

The department of Geography as per Himachal Pradesh University Ordinances carries out all research related activities at both M.Phil and Ph.D. level through Research Degree Committee (RDC). The composition and functions of RDC vide Himachal Pradesh University Handbook Vol-I (the first ordinances of Himachal Pradesh University 1973 and (as amended vide 18-12-2015 (1) pp307-309) are as under:

**16.7** The Research Degree Committee for each subject shall consist of the following:

- i) Dean of Faculty-Chairman
- ii) Chairman and Professors of the Department Concerned (Geography)
- iii) Upto three experts nominated by the Pro- Vice-Chancellor/ Vice chancellor and
- iv) Supervisor of the candidate concerned

Provided, further that when a teacher appointed on the Research Degree Committee goes on leave for a period of more than two months, the Pro- Vice-Chancellor/ Vice Chancellor may appoint the next eligible teacher concerned during the absence of leave period of the regular teacher/member as the case may be.

The meeting of RDC is convened by the Chairman of the department at least once in six months with the prior approval of the Dean of faculty concerned who will chair the meeting.

**16.8** The Research Degree Committee shall meet as often required by the Dean of the faculty concerned.

**16.9(a)** The Research Degree Committee shall consider the plan of research of the candidate and may either approve of it, with or without modifications or require another plan to be submitted.

Provided, that a candidate, who has passed the M.Phil. examination, as the case may be, permitted to continue with the Research Project/Dissertation of M.Phil which was the basis of his thesis for that degree, with or without such modifications, the Research Degree Committee may approve.

(b) Any changes or modifications or additions, suggested by the Research Degree Committee shall be incorporated by the candidate in the plan of course work and research.

(c) Any substantial modifications or change in the research project shall require the prior approval of the Research Degree Committee.

**16.10. Regularity and Progress Report:** (i) The Ph.D. scholar shall submit a six monthly progress report (through the Supervisor and Chairman) to the Research Degree Committee.

The approval of the report by the RDC will be required for continued registration of the candidate to the Ph.D. programme. Failure by the candidate to submit the progress report to the RDC would lead to automatic cancellation of registration.

(ii) Within a year of registering for Ph.D. the candidate shall present the synopsis of the proposed research at an open seminar in the department, incorporate the suggestions and then submit it to the Research Degree Committee. The RDC may either accept the synopsis or recommend further changes before re-submission.

(iii) Prior to submission of the thesis, the student shall make a pre-M.Phil/ Ph.D. presentation in the department that may be open to all faculty members and research students, for getting feedback and comments, which may be suitably incorporated into the draft thesis under the advice of supervisor.

(iv) Scholars who are in service/employed will be required to submit a 'No Objection Certificate' to standing committee for approval of their registration to the Ph.D. programme.

(v) Ph.D. candidate shall publish one research paper in a referred journal before the submission of the thesis/monograph for adjudication, and produce evidence for the same in the form of acceptance letter or the re-print.

(vi) On receipt of satisfactory evaluation reports, M.Phil/ Ph.D. students shall undergo a viva-voce examination which shall also be openly defended.

(vii) All the UGC regulations published in the Gazette of India No.28 dated July, 11-July 17, 2009 part-III Section-4, as amended from time to time shall be applicable for the award of Ph.D. degree after issuing necessary notification by the University in this regard.

Himachal Pradesh University  
NAAC Accredited 'A' Grade University  
Department of English  
(Minutes of R.A.C.)

A meeting to assess the progress of the Ph.D. research scholars as well as to advise them regarding the subsequent research was held on 6<sup>th</sup> May, 2019 at 11:30 am in the office of the Chairperson, Dept. of English, HPU Shimla. The following members were present:

1. Chairperson
2. Dr. Rekha Sharma
3. Dr. Daisy Verma
4. Prof. Meenakshi F. Paul
5. Prof. Neelima Kanwar
6. Dr. Ashwani Rana

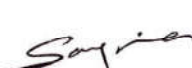
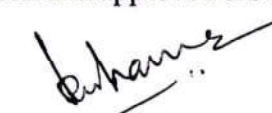
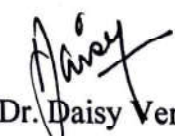
The following items were discussed and approved:

**Item No. - 1**

It was decided unanimously to procure the duly signed certificates by the Supervisors and the Chairperson regarding the progress of their Ph.D. candidates every six months.

**Item No. - 2**

The committee assessed and approved the six monthly progress reports of ~~23~~ research scholars.

|                                                                                                                |                                                                                                              |                                                                                                           |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <br>Chairperson             | <br>Dr. Rekha Sharma      | <br>Dr. Daisy Verma  |
| <br>Prof. Meenakshi F. Paul | <br>Prof. Neelima Kanwar | <br>Dr. Ashwani Rana |

Enclosures: ~~23~~ Certificates (Six Monthly Progress Report)

# Syllabus for M.Phil (English) (2007)

## Semester I

### Course I Criticism and Research Methodology (100 marks)

#### Part A

##### Types of criticism and an attempt at synthesis:

Formal, Structural, Post-Structural, Historical/New Historicism, Comparative, Cultural Studies, Feminism and Postcolonialism.

(The types of criticism will be studied with reference to principles, advantages and limitations)

#### Part B

##### Research methodology

- a) Difference between criticism and scholarship
- b) Research:
  - i) Preparation: the viable subject, limiting and defining the subject; collection of material (sources and types of material).
  - ii) Writing: planning; format; documentation: books, journals, online resources; use of evidence: selection, evaluation and adequacy.
  - iii) Stylistics: MLA Handbook (6<sup>th</sup> ed.).

##### Pattern of Testing:

There will be seven questions. All questions will be compulsory.

I Question 1 will be of purely objective type on relating critics/books to their respective schools or types of criticism. **Ten** items will have to be attempted out of given 12 entries. (10 marks)

II Question 2 will be on explaining **six** out of 12 given terms or concepts related to critical approaches, in about 150 words each. (5X6=30marks)

III&IV Question nos. 3 and 4 (of 15 marks each) will be on the concepts and application of critical approaches. Both these questions will have **internal** choice. (15 marks each)

V Question 5 will involve writing brief notes of about 150 words each on **two** out of four terms related to Research Methodology. (10 marks)

VI Question 6 will be on organizing some given bibliographical/documentary data into (a) 2 footnotes and (b) 2 bibliographical entries. (10 marks)

57

Himachal Pradesh University, Summer-Hill, Shimla-5  
NAAC Accredited "A" University  
\*Academic Branch\*

File No: 4-1/2002 HPU (Acad)

Dated **03 FEB 2023**

**NOTIFICATION**

The Vice-Chancellor is pleased to constitute the following Institutional Animal Ethics Committee to control and supervise the experiments on animals:-

- |                                                                                                |                   |
|------------------------------------------------------------------------------------------------|-------------------|
| 1. <b>Dr. Dhiraj Singh Rawat</b><br>Deptt. of Biosciences, HPU, Shimla-5.                      | Chairman/Convener |
| 2. <b>Prof. Desh Raj Thakur</b><br>Deptt. of Biosciences, HPU, Shimla-5.                       | Member            |
| 3. <b>Prof. S.S. Kanwar</b><br>Deptt of Bio-technology, HPU, Shimla-5.                         | Member            |
| 4. <b>Dr. Sushila Negi</b><br>Deptt of Microbiology, HPU, Shimla-5.                            | Member            |
| 5. <b>Dr. Heena Bhal</b><br>Senior Veterinarian officer,<br>Ghanatti, Shimla (HP)              | Member            |
| 6. <b>Prof. Jitender Singh</b><br>Dept. of Pharmacy IEC University,<br>Baddi, Himachal Pradesh | Member            |
| 7. <b>Dr. P.C. Pathania</b><br>Scientist, Zoological Survey of India<br>Solan (HP)             | Member            |
| 8. <b>Dr. Surinder Sharma</b><br>Secretary, Sunil Upadhyay Education<br>Trust, Shimla (HP)     | Member            |
| 9. <b>Dr. H.S. Banyal</b><br>Associate Professor<br>Department of Biosciences, HPU, Shimla-5.  | Member            |

Encls. No. even

Copy to:-

1. All the members mentioned above.
2. The Deputy Secretary to the Govt. of India, CPCSEA/ Ministry of Environment, Forest & Climate Change (Animal Welfare Division) 5<sup>th</sup> Floor, Vayu Block, Indira Park/Varan Bhawan, Jor Bagh Road, New Delhi-110003.
3. The Chairman, Department of Biosciences, HPU, Shimla-5.
4. The Administrative Officer, Central Research Institute, Kasauli Dist. Solan (HP)
5. The Dean of Studies/ Dean Students' Welfare, HPU, Shimla-5
6. The SPS to Vice-Chancellor/SPS to Pro-Vice-Chancellor/PS to Registrar, HPU, Shimla-5.

  
Registrar  
H.P. University, Shimla-5  
Dated: **03 FEB 2023**

  
Registrar

**DEPARTMENT OF BIOSCIENCES, HIMACHAL PRADESH UNIVERSITY  
SHIMLA-5**

**PROCEEDINGS OF THE MEETING OF THE RESEARCH DEGREE COMMITTEE**

A meeting of the Research Degree Committee was held on 07.09.2021 at 11:00 AM in the Department of Biosciences. The following members were present:

- |                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| 1. Prof. Anand Sagar  | Dean, Faculty of Life Sciences                                   |
| 2. Prof. Rakesh Gupta | External Expert (Dr. Y.S. Parmar University, U.H.F. Nauni Solan) |
| 3. Prof. J.P. Yadav   | External Expert (Department of Genetics, MDU. Rohtak-124001)     |
| 4. Dr. M.S. Thakur    | (Special Invitee)                                                |
| 5. Prof D. R. Thakur  | Chairperson                                                      |

The following items were discussed and decisions taken as under:

**Item 1: Approval of Ph. D. Synopsis:**

The synopsis for Ph. D. (Botany and Zoology) were approved as per Annexure 'A' & 'B'.

**Item 2: Panel of Examiners:**

Panels of Examiners of the following candidates were approved.

**Ph. D. Zoology**

| Sr. no. | Name of Candidate | Supervisor      |
|---------|-------------------|-----------------|
| 1.      | Ms Poonam Kumari  | Dr. M.S. Thakur |

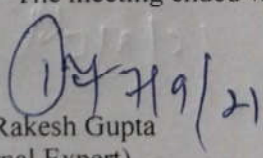
**Item 3: Evaluation of Progress Reports:**

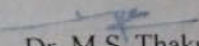
The progress reports of the research scholars enlisted in Annexure 'C' & 'D' were evaluated and found to be satisfactory.

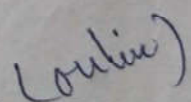
**Item No. 4 Regarding D.Sc. Degree in respect of Dr. Mohar Singh.**

Regarding representation of resume alongwith summary of contributions to science for the award of Doctor of Science (D.Sc. ) in the faculty of life sciences in respect of Dr. Mohar Singh, was approved by the committee.

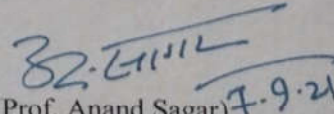
The meeting ended with a vote of thanks to the chair.

  
Prof. Rakesh Gupta  
(External Expert)

  
Dr. M.S. Thakur  
(Special Invitee)

  
Prof. J.P. Yadav  
(External Expert)

  
Prof. D.R. Thakur  
Chairperson

  
(Prof. Anand Sagar)  
Dean, Faculty of Life Sciences

F. No. 25/214/2013 - CPCSEA  
Government of India  
Ministry of Environment, Forests & Climate Change  
Animal Welfare Division

O/o Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA)

\*\*\*\*\*

5<sup>th</sup> Floor, Vayu Block, Indira Paryavaran Bhawan,  
Jor Bagh Road, New Delhi - 110003

29/04/2016

To

Prof. Sushma Sharma,  
Chairperson, Deptt. of Bio-Sciences,  
Himachal Pradesh University,  
Summer Hill, Shimla - 171005, Himachal Pradesh.  
Mobile: 09816291637  
E-mail: sushma\_bio\_sci@rediffmail.com

Subject: Registration of Establishment with CPCSEA / Constitution of Institutional Animals  
Ethics Committee (IAEC) - regarding.

Madam,

This is with reference to your application on the above mentioned subject. Your establishment has been registered with CPCSEA for the purpose of 'Research for Educational purpose on small animals'.

2. The Registration number is 1887/GO/Re/S/16/CPCSEA and the registration is valid up to five years from the date of issue of this letter. Henceforth, the above registration number may be quoted in all your future correspondence with this office.
3. No animal should be procured for breeding purpose, until specifically allowed by CPCSEA.
4. Further, the biodata and consent letters of proposed IAEC members submitted by you are as per Rules. Therefore, CPCSEA has accepted the following members recommended by your establishment:

| S. No. | Name                | Designation in IAEC                                    |
|--------|---------------------|--------------------------------------------------------|
| 1.     | Prof. Sushma Sharma | Chairperson and Scientist I/c of Animal House Facility |
| 2.     | Dr. D.R. Thakur     | Member Secretary and Biological Scientist              |
| 3.     | Dr. Reena Gupta     | Scientist from different biological Discipline         |
| 4.     | Prof. Navneet Gupta | Scientist from different biological Discipline         |
| 5.     | Dr. R.K. Sharma     | Veterinarian                                           |

.....2

5. CPCSEA hereby nominates the following members to the Institutional Animals Ethics Committee (IAEC) of your establishment:

| S.N. | Name                                                                                                                                                                                                                    | Nominated as                               |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| 1.   | Dr. Nitin Verma<br>Dean, School Of Pharmacy & Emerging Sciences,<br>Baddi University of Emerging Sciences & Technology,<br>Baddi - 173205, Himachal Pradesh.<br>Mobile: 9736419033, E-mail: nitin.verma@baddiuniv.ac.in | Main Nominee                               |
| 2.   | Dr. G.L. Gupta<br>Academics (Pharmacy), Jaypee University of Information<br>Technology, Wagnaghat, Solan - 173234, Himachal Pradesh<br>Mobile: 08988248390, E-mail: girdhari_gupta@rediffmail.com                       | Link Nominee                               |
| 3.   | Dr. Rohit Goyal<br>Associate Professor, Shoolini University, Post Box 9,<br>Solan - 173 212, Himachal Pradesh.<br>Mobile: 09816062679, E-mail: rohit_pharm@yahoo.co.in                                                  | Scientist from<br>outside the<br>Institute |
| 4.   | Sh. Madan Lal Patial<br>V.P.O. Padhar, TBH-Padhar<br>Distt. Mandi -176121, Himachal Pradesh.<br>Mobile: 9418155679, E-mail: madanlalpatiyal2013@gmail.com                                                               | Socially Aware<br>Nominee                  |

(Please note that any change in IAEC members can be made only with prior approval of CPCSEA.)

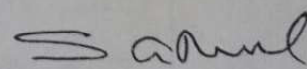
6. You are requested to convene the meeting of the constituted IAEC within 30 days and forward the Minutes of the meeting to the O/o CPCSEA, New Delhi.

7. In addition, it is to inform you that only approved IAEC members can sign on the attendance sheet with date of the meeting. Decisions will be made only in meetings where quorum is complete, the minimum of 6 members are required to compose a quorum and CPCSEA Nominees must be present in the meetings (*In the absence of the Main Nominee, Link Nominee will be called to attend the meeting*).

8. Further, it is to inform you that the IAEC is required to be reconstituted at the time of renewal of registration as per CPCSEA guidelines. Therefore, the IAEC of your establishment is valid up to the validity of Registration.

9. Kindly acknowledge the receipt of this letter.

Yours faithfully,



(S. Gowri Shankar)

Deputy Secretary (AW) & Member Secretary (CPCSEA)

Copy for necessary action to: Nominees of CPCSEA.

The Main Nominee is requested to ensure conduct of the IAEC meetings as stipulated in the SOP of CPCSEA and to furnish the Annual Inspection Report of the Animal House Facility regularly to the O/o CPCSEA (check list enclosed).

Encl.: as above.

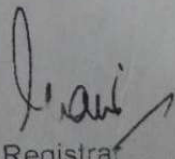
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Dated 12 6 MAY 2016

"Notification"

The Vice-Chancellor has been pleased to constitute the following Institutional Animal Ethics Committee to control and supervise the experiments on animals:-

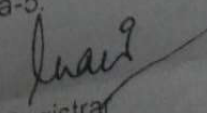
- |                                                                                                                                                  |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 1. Prof. Sushma Sharma<br>✓ Deptt. of Biosciences, HPU, Shimla-5.                                                                                | Convener/Chairman |
| 2. Dr. D.R. Thakur<br>Deptt. of Biosciences, HPU, Shimla-5.                                                                                      | Member            |
| 3. Dr. Reena Gupta<br>Deptt of Bio-Technology, HPU, Shimla-5.                                                                                    | Member            |
| • 4. Prof. Navneet Gupta,<br>College of Basic Sciences<br>HPKVV, Palampur (HP)                                                                   | Member            |
| • 5. Dr. R.K. Sharma, Asstt. Director<br>Directorate of Animal Husbandary,<br>Pashudhan Bhawan, Boileauganj, Shimla.                             | Member            |
| • 6. Dr. Nitin Verma,<br>Dean, School of Pharmacy & Emerging Science,<br>Baddi University of Emerging Sciences & Technology<br>Baddi-173205.(HP) | Member            |
| • 7. Dr. G.L. Gupta, (Pharmacy)<br>Jaypee University of Information<br>Technology, Wahnaghat, Solan-173234 (HP)                                  | Member            |
| • 8. Dr. Rohit Goyal<br>Associate Professor, Shoolini University,<br>Post Box 9, Solan-173212 (HP)                                               | Member            |
| • 9. Sh. Madan Lal Patial,<br>VPO Padhar, TBH-Padhar, Distt.<br>Mandi-176121(HP)                                                                 | Member            |

  
Registrar  
H.P. University, Shimla-5

Endst. No. even

Copy to :-

1. All the members of the Institutional Animals Ethics Committee as mentioned above.
2. The Under Secretary to the Govt. of India, CPCSEA. Ministry of Environment & Forest (Animal Welfare Division) 8<sup>th</sup> Floor, Jeevan Prakash Building, 25, Kasturba Gandhi Marg, New Delhi-110001.
3. The Chairman/Chairperson, Department of Biosciences, HPU, Shimla-5.
4. The Administrative Officer, Govt. of India, CRI, Kasauli (HP)
5. The Dean of Studies/ Dean Students' Welfare, HPU, Shimla-5.
6. The SPS to the Vice-Chancellor/Registrar, HPU, Shimla-5.

  
Registrar

26 MAY 2016

**HIMACHAL PRADESH UNIVERSITY BUSINESS SCHOOL**  
**HIMACHAL PRADESH UNIVERSITY, SHIMLA-5**  
"NAAC Accredited 'A' Grade" University

No. 2-7/09-HPU (HPUBS)

Dated:- 11.12.2017

**NOTIFICATION**

In exercise of powers vested in him under Ords.16.7 (iii) of First Ordinances of H.P. University (as amended from time to time) the Vice-Chancellor has been pleased to constitute the Research Degree Committee for the Himachal Pradesh University Business School (MBA) with immediate effect as under.

- |       |                                                                                                                                       |   |          |
|-------|---------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| (i)   | Dean Faculty of Commerce & Management Studies<br>H.P. University, Shimla-5.                                                           | - | Chairman |
| (ii)  | Director, Himachal Pradesh University Business School<br>and all the Professors in the School.                                        | - | Member   |
| (iii) | Upto three experts nominated by the Vice-Chancellor<br>for a period of two years.                                                     |   |          |
| 1.    | Prof. B.S. Bodla,<br>Institute of Management Studies,<br>Kurukshetra University, Kurukshetra.                                         | - | Member   |
| 2.    | Prof. Ran Singh Dhaliwal,<br>Department of Management, Punjabi University Patiala.                                                    | - | Member   |
| 3.    | Prof. K.K. Raina,<br>Business Management Department,<br>Dr. Y.S. Parmar University of Horticulture & Forestry,<br>(Nauni) Solan, H.P. | - | Member   |
| 4.    | Supervisor of the candidate concerned.                                                                                                | - | Member   |

Endst No. Even

Copy forwarded for information and necessary action to:-

1. All the members concerned.
2. Dean of Studies, H.P. University, Shimla-5.
3. All the Dean of Faculties, H.P. University, Shimla-5.
4. Deputy Registrar (Secrecy), H.P. University, Shimla-5.
5. Guard File.

  
Director  
Dated: 11.12.2017  
Himachal Pradesh University Business School  
Summer Hill, Shimla-171001

  
Director  
H.P. University Business School  
Summer Hill, Shimla-171001



# Himachal Pradesh University Business School

(NAAC Accredited 'A' Grade University)

Summer-Hill, Shimla-171005

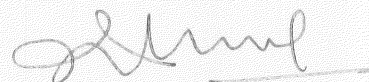
No.2-7/09-HPU(HPUBS)

Dated: 04.09.2020

## NOTIFICATION

In exercise of powers vested in him under Ords. 16.7 (iii) of First Ordinances of H.P. University (as amended from time to time) the Hon'ble Vice-Chancellor has been pleased to constitute the Research Degree Committee for the Himachal Pradesh University Business School (MBA) with immediate effect as under.

- |       |                                                                                                                           |   |          |
|-------|---------------------------------------------------------------------------------------------------------------------------|---|----------|
| (i)   | Dean<br>Faculty of Commerce & Management Studies<br>H.P. University, Shimla-5.                                            | - | Chairman |
| (ii)  | Director,<br>Himachal Pradesh University Business School(HPUBS) and all the Professors in the HPUBS                       | - | Member   |
| (iii) | Upto three experts nominated by the Hon,ble Vice Chancellor for a period of two years                                     |   |          |
| a.    | Dr. Tilak Raj<br>Department of Commerce<br>Maharishi Dayanand University, Rohtak (Haryana)                                | - | Member   |
| b.    | Dr. Sunita Bharatwal<br>Chairperson,<br>Department of Management,<br>Chaudhary Bansi Lal University,<br>Bhiwani (Haryana) | - | Member   |
| c.    | Dr. Rajesh Bagga,<br>Director<br>Apeejay Institute of Management &<br>Engineering Technical Campus,<br>Jalandhar (Punjab) | - | Member   |
| (iv)  | Supervisor of the candidates concerned                                                                                    | - | Member   |

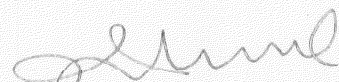
  
Director

Dated: 04.09.2020

Endst No. Even.

Copy forwarded for information and necessary action to: -

1. All the members concerned.
2. Dean of Studies, H.P. University Shimla-5.
3. All the Dean of Faculties, H.P. University, Shimla-5.
4. Deputy Registrar (Secrecy), H.P. University Shimla-5.
5. Guard file.

  
Director

**PROCEEDINGS OF THE MEETING OF THE RESEARCH DEGREE COMMITTEE IN THE SUBJECT OF MANAGEMENT STUDIES HELD ON 11.09.2015 AT 11.30 A.M. UNDER THE CHAIRMANSHIP OF PROF. YASHWANT GUPTA, DEAN, FACULTY OF COMMERCE & MANAGEMENT STUDIES IN THE OFFICE OF THE DIRECTOR, HIMACHAL PRADESH UNIVERSITY BUSINESS SCHOOL, H. P. UNIVERSITY SHIMLA-171005.**

A meeting of the Research Degree Committee in the subject of the Management Studies was held on 11.09.2015 at 11.30 a.m. under the Chairmanship of Prof. Yashwant Gupta, Dean, Faculty of Commerce & Management Studies in the office of the Director, Himachal Pradesh University Business School, H.P. University, Shimla-171 005. The following members were present:-

1. Prof. Yashwant Gupta - Chairman
2. Prof. J.B. Nadda - Member
3. Prof. C.L. Chandan - Member
4. Prof. Shyam Lal Kaushal - Member
5. Prof. Pawan Garga - Member
6. Prof. Dinesh Sharma - Member
7. Prof. Jai Singh Parmar - Member
8. Prof. Pramod Sharma - Member
9. Prof. Ran Singh, - External Expert  
Punjabi University, Patiala.
10. Prof. Sanket Vij, - External Expert  
BPS Women University,  
Sonapat (Hry.)

The following items were taken up:

**Item No. 1: Minutes of the last meeting held on 30.04.2014.**

Confirmed.

**Item No.2: Approval of Synopsis and Topics.**

Synopsis of the following candidates were approved by the Research Degree Committee:-

| Sr. No. | Name of the Candidate | Title of the Topics                                                                                      | Name of the Supervisor |
|---------|-----------------------|----------------------------------------------------------------------------------------------------------|------------------------|
| 1.      | Ms. Vandana Bagharia  | Impact of Balanced Scorecard on Internal Communication and Employee Engagement in SJVN Ltd.              | Prof. J.B. Nadda       |
| 2.      | Mr. Ravi Kaundal      | Impact of Training and Development on Job Performance and Employees Behaviour : A Study of SJVN Limited. | Prof. C.L. Chandan     |

*[Handwritten signature]*  
Ravi

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|    |                    |                                                                                                      |                         |
|----|--------------------|------------------------------------------------------------------------------------------------------|-------------------------|
| 3. | Ms. Esha Bansal    | A Study on Personality Traits determining the Work Engagement of Women Employees in Banking Sector.  | Prof. Yashwant Gupta    |
| 4. | Ms. Ruchi Sharma   | Customers Perception and Satisfaction Regarding Online Shopping : A Study of Select Cities of India. | Prof. Pawan Garga       |
| 5. | Ms. Poonam Kaushal | A Study of Work Life Balance Among Police Personnel of Himachal Pradesh.                             | Prof. Jai Singh Parmar. |

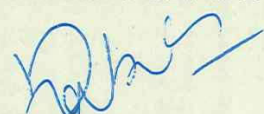
**Item No.3: Panel of Examiners.**

The Research Degree Committee approved the Panel of the examiners to evaluate the Ph.D. Thesis of the following candidates:

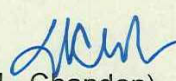
| Sr. No. | Name of Candidate | Topic                                                                                                                                  |
|---------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 1.      | Mr. Sandeep Kumar | "Determinants of Job Satisfaction Among Executives in National Hydroelectric Power Corporation Ltd."                                   |
| 2.      | Ms. Alka Sharma   | Impact of Organizational Culture on Employee Commitment : A Comparative Study of Public and Private Sector Telecom Companies in India. |
| 3.      | Mr. Balbir Singh  | "Study of Impact of MGNREGA on Poverty Alleviation in District Sirmour & Solan of Himachal Pradesh.                                    |
| 4.      | Mr. Sanjay Kumar  | 'A Study of Rural Development Through MNREGA in Himachal Pradesh : A Case Study of District Mandi'.                                    |
| 5.      | Mr. Rakesh Kumar  | 'A Study of Public Distribution System in Himachal Pradesh with Special Reference to BPL Families.                                     |

The meeting ended with a vote of thanks to the Chair.

  
(Ran Singh)  
External Member

  
(Sanket Vij)  
External Member

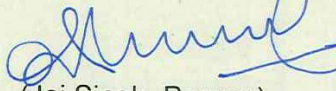
  
(J.B. Nadda)

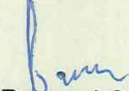
  
(C.L. Chandan)

  
(Shyam Lal Kaushal)

  
(Pawan Garga)

  
(Dinesh Sharma)

  
(Jai Singh Parmar)

  
(Pramod Sharma)

  
(Yashwant Gupta)  
Dean/Chairman

**PROCEEDINGS OF THE MEETING OF THE RESEARCH DEGREE COMMITTEE IN THE SUBJECT OF MANAGEMENT STUDIES HELD ON 30.03.2016 AT 11.00 A.M. UNDER THE CHAIRMANSHIP OF PROF. YASHWANT GUPTA, DEAN, FACULTY OF COMMERCE & MANAGEMENT STUDIES IN THE OFFICE OF THE DIRECTOR, HIMACHAL PRADESH UNIVERSITY BUSINESS SCHOOL, H. P. UNIVERSITY SHIMLA-171005.**

A meeting of the Research Degree Committee in the subject of the Management Studies was held on 30.3.03.2016 at 11.00 a.m. under the Chairmanship of Prof. Yashwant Gupta, Dean, Faculty of Commerce & Management Studies in the office of the Director, Himachal Pradesh University Business School, H.P. University, Shimla-171 005. The following members were present:-

1. Prof. Yashwant Gupta - Chairman
2. Prof. J.B. Nadda - Member
3. Prof. C.L. Chandan - Member
4. Prof. Shyam Lal Kaushal - Member
5. Prof. Pawan Garga - Member
6. Prof. Dinesh Sharma - Member
7. Prof. Jai Singh Parmar - Member
8. Prof. Ran Singh, - External Expert  
Punjabi University, Patiala.

The following items were taken up:

**Item No. 1: Minutes of the last meeting held on 11.09.2015**

Confirmed.

**Item No.2: Approval of Synopsis and Topics.**

Synopsis of the following candidates were approved by the Research Degree Committee:-

| Sr. No. | Name of the Candidate | Title of the Topics                                                                                   | Name of the Supervisor   |
|---------|-----------------------|-------------------------------------------------------------------------------------------------------|--------------------------|
| 1.      | Mayank Sharma         | An Analysis of Factors Affecting Knowledge Management in Select Pharmaceutical Companies.             | Prof. Yashwant Gupta     |
| 2.      | Shashank Raina        | A Study of Organized Food Retail and it's Impact on Farmers.                                          | Dr. Dinesh Kumar         |
| 3.      | Purnima Gupta         | Job Involvement and Organisational Commitment : A Study in Banking Sector.                            | Dr. Yashwant Kumar Gupta |
| 4.      | Praveen Kumar         | Factors Influencing Loyalty in Online Business.                                                       | Dr. Pawan Garga          |
| 5.      | Reetika Thakur        | Impact of Quality of Work Life on Work Performance of Employees of Himachal Pradesh Power Corporation | Dr. Dinesh Kumar Sharma  |

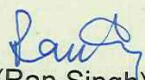
|    |               |                                                                                                         |                         |
|----|---------------|---------------------------------------------------------------------------------------------------------|-------------------------|
|    |               | Limited.                                                                                                |                         |
| 6. | Ashita Bhagra | A Study of the Industry - Academia Employability Skills Gap of Management Graduates.                    | Dr. Dinesh Kumar Sharma |
| 7. | Esha Sharma   | Work Life Balance and Stress: A Study on Women Teachers in Private Education Sector in Himachal Pradesh | Dr. S.L. Kaushal        |

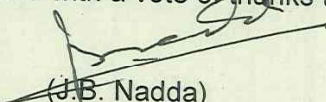
**Item No.3: Panel of Examiners.**

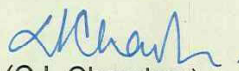
The Research Degree Committee approved the Panel of the examiners to evaluate the Ph.D. Thesis of the following candidates:

| Sr. No. | Name of Candidate    | Topic                                                                                                                                                       |
|---------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.      | Mr. Vinay Negi       | An Appraisal of Tourism Marketing Strategies -A comparative Study of Himachal Tourism Development Corporation and Haryana Tourism Development Corporation.. |
| 2.      | Mr. Varinder Kaushal | A study of corporate Social Responsibility with special reference to Cement Industry of Himachal Pradesh                                                    |
| 3.      | Ms. Sakshi Sharma    | A Study of work life Balance among Medical professionals in Himachal Pradesh.                                                                               |
| 4.      | Ms. Rita Devi        | Leadership styles, job satisfaction and organisational commitment: A study of Himachal Pradesh Power Corporation Limited (HPPCL).                           |

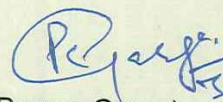
The meeting ended with a vote of thanks to the Chair.

  
(Ran Singh)  
External Member

  
(J.B. Nadda)

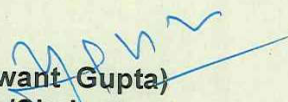
  
(C.L. Chandan)

  
(Shyam Lal Kaushal)

  
(Pawan Garga)

  
(Dinesh Sharma)

  
(Jai Singh Parmar)

  
(Yashwant Gupta)  
Dean/Chairman

**PROCEEDINGS OF THE MEETING OF THE RESEARCH DEGREE COMMITTEE IN THE SUBJECT OF MANAGEMENT STUDIES HELD ON 27.10.2016 AT 11.00 A.M. UNDER THE CHAIRMANSHIP OF PROF. KULWANT SINGH PATHANIA, DEAN, FACULTY OF COMMERCE & MANAGEMENT STUDIES IN THE OFFICE OF THE DIRECTOR, HIMACHAL PRADESH UNIVERSITY BUSINESS SCHOOL, H. P. UNIVERSITY SHIMLA-171005.**

A meeting of the Research Degree Committee in the subject of the Management Studies was held on 27.10.2016 at 11.00 a.m. under the Chairmanship of Prof. Kulwant Singh Pathania, Dean, Faculty of Commerce & Management Studies in the office of the Director, Himachal Pradesh University Business School, H.P. University, Shimla-171 005. The following members were present:-

- |    |                              |   |                 |
|----|------------------------------|---|-----------------|
| 1. | Prof. Kulwant Singh Pathania | - | Chairman        |
| 2. | Prof. S. L. Kaushal          | - | Member          |
| 3. | Prof. C.L.Chandan            | - | Member          |
| 4. | Prof. Yashwant Gupta         | - | Member          |
| 5. | Prof. Pawan Garga            | - | Member          |
| 6. | Prof. Dinesh Kumar           | - | Member          |
| 7. | Prof. Jai Singh Parmar,      | - | Member          |
| 8. | Prof. Parmod Sharma          | - | Member          |
| 9. | Prof. Ran Singh Dhaliwal     | - | External Expert |

The following items were taken up:

**Item No. 1: Minutes of the last meeting held on 30.3.2016.**

Confirmed.

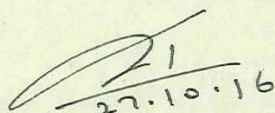
**Item No.2: Approval of Synopsis and Topics.**

Synopsis of the following candidate was approved by the Research Degree Committee:-

| Sr.No. | Name of the Candidate | Title of the Topics                                                                      | Name of the Supervisor |
|--------|-----------------------|------------------------------------------------------------------------------------------|------------------------|
| 1.     | Ms. Neeti Gupta       | CUSTOMER SATISFACTION, TRUST AND REPURCHASE INTENTION IN ONLINE SHOPPING AMONG CONSUMERS | Prof. C.L.Chandan      |

**Item No.3: Panel of Examiners.**

The Research Degree Committee approved the Panel of the examiners to evaluate the Ph.D. Thesis of the following candidates:

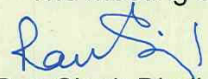
  
27.10.16

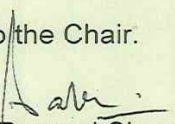
| Sr. No. | Name of Candidate       | Topic                                                                                                                                                    |
|---------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.      | Mr. Virender Kaushal    | A Study of Corporate Social Responsibility with special reference to Cement Industry of Himachal Pradesh.                                                |
| 2.      | Mr. Hemant Kumar        | A Study of New Product Development Process in Automobile Industry.                                                                                       |
| 3.      | Mr. Vinay Negi          | An Appraisal of Tourism Marketing Strategies Comparative Study of Himachal Tourism Development Corporation and Haryana Tourism Development Corporation.. |
| 4.      | Mr. Rakesh Kumar Sharma | "Role of District Rural Development Agencies Development of Himachal Pradesh"                                                                            |
| 5.      | Mr. Ravi Kaundal        | "Impact of Training and Development on Job Performance and Employee Behaviour: A Study of SJVN Ltd.                                                      |
| 6.      | Ms. Rama Sharma         | "Human Resource Management Practices in Transport Sector-A Comparative Study of Himachal Road Transport Corporation and Punjab Roadways".                |
| 7.      | Ms. Bebul               | "Effect of Occupational Stress and Emotional Intelligence on Job Satisfaction: A Study of Public and Private Sector Banks".                              |
| 8.      | Mr. Vibhore Awasthi     | "The Role of Local Community in the Development and Management of Eco-Tourism in Himachal Pradesh".                                                      |

**Item No. 3 : Ph.D Course work:**

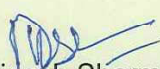
It was decided that a candidate shall have to complete P.h.D Course work before submission of Ph.D Synopsis.

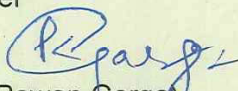
The meeting ended with a vote of thanks to the Chair.

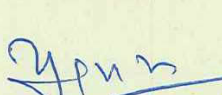
  
(Ran Singh Dhaliwal)  
External Expert

  
(Prof. Parmod Sharma)  
Member

  
(Prof. Jai Singh Parmar)  
Member

  
(Prof. Dinesh Sharma)  
Member

  
(Prof. Pawan Garga)  
Member

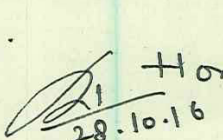
  
(Prof. S.L. Kaushal)  
Member

  
(Prof. C.L. Chandan)  
Member

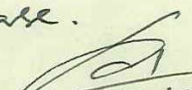
  
(Prof. Kulwant Singh Pathania)  
Dean/Chairman

Submitted for approval please.

Supdt.

  
Hon'ble Vice-Chancellor  
28.10.16



  
27.10.16

**PROCEEDINGS OF THE MEETING OF THE RESEARCH DEGREE COMMITTEE IN THE SUBJECT OF MANAGEMENT STUDIES HELD ON 12.08.2017 AT 10.30 A.M. UNDER THE CHAIRMANSHIP OF PROF. KULWANT SINGH PATHANIA, DEAN, FACULTY OF COMMERCE & MANAGEMENT STUDIES IN THE MINI AUDITORIUM OF HIMACHAL PRADESH UNIVERSITY BUSINESS SCHOOL, H. P. UNIVERSITY SHIMLA-171005.**

A meeting of the Research Degree Committee in the subject of the Management Studies was held on 12.08.2017 at 10.30 a.m. under the Chairmanship of Prof. Kulwant Singh Pathania, Dean, Faculty of Commerce & Management Studies in the Mini Auditorium of HPUBS, H.P. University, Shimla-171 005. The following members were present:-

- |    |                                                                                              |   |                 |
|----|----------------------------------------------------------------------------------------------|---|-----------------|
| 1. | Prof. Kulwant Singh Pathania                                                                 | - | Chairman        |
| 2. | Prof. S. L. Kaushal                                                                          | - | Member          |
| 3. | Prof. J.B. Nadda                                                                             | - | Member          |
| 4. | Prof. Yashwant Gupta                                                                         | - | Member          |
| 5. | Prof. Pawan Garga                                                                            | - | Member          |
| 6. | Prof. Dinesh Kumar                                                                           | - | Member          |
| 7. | Prof. Jai Singh Parmar,                                                                      | - | Member          |
| 8. | Prof. Ran Singh Dhaliwal,<br>Department of Management ,<br>Punjabi University, Patiala (Pb.) | - | External Expert |

The following items were taken up:

**Item No. 1: Minutes of the last meeting held on 27.10.2016.**

Confirmed.

**Item No.2: Approval of Synopsis and Topics.**

Synopsis of the following candidates were approved by the Research Degree Committee:-

| Sr. No. | Name of the Candidate | Title of the Topics                                                       | Name of the Supervisor |
|---------|-----------------------|---------------------------------------------------------------------------|------------------------|
| 1.      | Amit Chopra           | Customer Satisfaction in Organized Retail: A Study of Tri-City.           | Prof. Yashwant Gupta ✓ |
| 2.      | Sandeepa Kaushal      | Financial Inclusion in India: A Study of Rural Areas in Himachal Pradesh. | Prof. Yashwant Gupta ✓ |
| 3.      | Apoorva Kumar Seth    | Consumer Skepticism towards Online Shopping decisions among Millennials.  | Prof. Pawan Garga ✓    |

|     |                  |                                                                                                                 |                             |
|-----|------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------|
| 4.  | Vikas Sood       | The Role of EVM and VVPAT in the Management of Elections in the State of Himachal Pradesh.                      | Prof. Dinesh Sharma ✓       |
| 5.  | Sanjay Bhagwati  | Women Empowerment through MGNREGS: A Study of Himachal Pradesh.                                                 | Prof. Dinesh Kumar Sharma ✓ |
| 6.  | Aastha Sen       | Emotional Intelligence at Workplace and its Relationship with Organizational Commitment and Job Satisfaction.   | Prof. C.L. Chandan ✓        |
| 7.  | Jaya Sharma      | Impact of Financial Inclusion on Economic Status and Empowerment of Women through SHG – Bank Linkage Programme. | Prof. C.L. Chandan ✓        |
| 8.  | Subodh Kadsholi  | Customer Satisfaction towards Postal Services: A Comparative Study of Department of Post and Private Companies. | Prof. J.B. Nadda ✓          |
| 9.  | Nikhil Uprety    | Effect of Patriotic Advertisements on Nationalism: A Study of Indian Television Commercials.                    | Prof. J.B. Nadda ✓          |
| 10. | Abhilasha Sharma | Skill Development Schemes in India: A Study of Himachal Pradesh Kaushal Vikas Nigam.                            | Prof. S.L. Kaushal ✓        |
| 11. | Stuti Jalan      | Workplace Spirituality and Occupational Stress: A Study of Himachal Pradesh Police.                             | Prof. S.L. Kaushal ✓        |

**Item No.3: Panel of Examiners.**

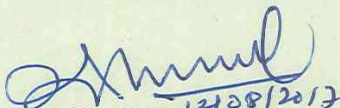
The Research Degree Committee approved the Panel of the examiners to evaluate the Ph.D. Thesis of the following candidates:

| Sr. No. | Name of Candidate  | Topic                                                                                                                                        |
|---------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 1.      | Mr. Ashutosh Verma | Role of Personality Work Values and Job Satisfaction in the Performance of Public and Private Sector Bank Employees.                         |
| 2.      | Ms. Meghna Sood    | Strategic Management of Dharamshala Tea Company and its Implication for the Revival of Kangra Tea Industry.                                  |
| 3.      | Ms. Ina Sood       | Leadership Styles and Emotional Intelligence: A Comparative Study of Government and Private Sector Educational Managers in Himachal Pradesh. |
| 4.      | Mr. Mayank Sharma  | An Analysis of Factors Affecting Knowledge                                                                                                   |

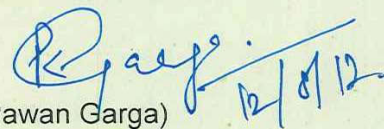
|    |                       |                                                                                                                                           |
|----|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|    |                       | Management in Select Pharmaceutical Companies.                                                                                            |
| 5. | Ms. Vandana Bagharia  | Impact of Balanced Score Card of Internal Communication and Employee Engagement in SJVN Ltd.                                              |
| 6. | Ms. Rama Sharma       | Human Resource Management Practices in Transport Sector – A Comparative Study of Himachal Road Transport Corporation and Punjab Roadways. |
| 7. | Ms. Pooja Dogra       | Quality of Work Life: A Comparative Study of Public and Private Hospitals.                                                                |
| 8. | Mr. Siddharth Kashyap | A Comparative Study of Social Marketing on Smoking Habits of Teenagers in Shimla.                                                         |

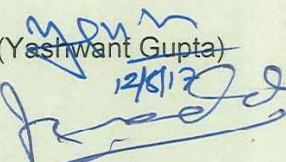
The meeting ended with a vote of thanks to the Chair.

  
(Ran Singh Dhallwal)  
External Member

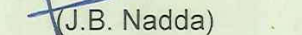
  
(Jai Singh Parmar)

  
(Dinesh Sharma)

  
(Pawan Garga)

  
(Yashwant Gupta)

  
(S.L. Kaushal)

  
(J.B. Nadda)

  
(Kulwant Singh Pathania) 12/8/17  
Dean/Chairman

**PROCEEDINGS OF THE MEETING OF THE RESEARCH DEGREE COMMITTEE IN THE SUBJECT OF MANAGEMENT STUDIES HELD ON 05.05.2018 AT 12.30 P.M. UNDER THE CHAIRMANSHIP OF PROF. S.L. KAUSHAL, DEAN, FACULTY OF COMMERCE & MANAGEMENT STUDIES IN THE MINI AUDITORIUM OF HIMACHAL PRADESH UNIVERSITY BUSINESS SCHOOL, H. P. UNIVERSITY SHIMLA-171005.**

A meeting of the Research Degree Committee in the subject of the Management Studies was held on 05.05.2018 at 12.30 p.m. under the Chairmanship of Prof. S.L. Kaushal, Dean, Faculty of Commerce & Management Studies in the Mini Auditorium of HPUBS, H.P. University, Shimla-171 005. The following members were present:-

1. Prof. S.L. Kaushal - Chairman
2. Prof. Jai Singh Parmar - Member
3. Prof. Dinesh Kumar - Member
4. Prof. Pramod Sharma - Member
5. Prof. Ran Singh Dhaliwal, - External Expert  
Department of Management ,  
Punjabi University, Patiala (Pb.)
6. Prof. B.S. Bodla, - External Expert  
Institute of Management Studies,  
Kurukshetra University, Kurukshetra.
7. Prof. K.K. Raina, - External Expert  
Business Management Department,  
Dr. Y.S. Parmar University of Horticulture  
& Forestry (Nauni) Solan (H.P.)

The following items were taken up:

**Item No. 1: Minutes of the last meeting held on 12.08.2017.**

Confirmed.

**Item No.2: Panel of Examiners.**

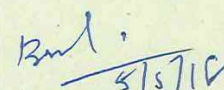
The Research Degree Committee approved the Panel of the examiners to evaluate the Ph.D. Thesis of the following candidates:

| Sr. No. | Name of Candidate  | Topic                                                                                                                                          |
|---------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.      | Mr. Varun Bhardwaj | "A STUDY OF FACTORS INFLUENCING THE SELECTION OF VALUE ADDED SERVICES (VAS) IN MOBILE TELECOM INDUSTRY".                                       |
| 2.      | Ms. Ina Sood       | "Leadership Styles and Emotional Intelligence: A Comparative Study of Government and Private Sector Educational Managers in Himachal Pradesh". |
| 3.      | Mr. Mayank Sharma  | "An Analysis of the Factors Affecting Knowledge Management in Select Pharmaceutical Companies".                                                |

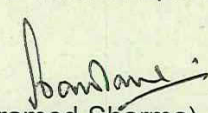
|     |                         |                                                                                                                                             |
|-----|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 4.  | Ms. Esha Bansal         | "A Study on Personality Traits Determining the Work Engagement of Women Employees in Banking Sector".                                       |
| 5.  | Ms. Poonam Kaushal      | "A Study of Work Life Balance Among Police Personnel of Himachal Pradesh".                                                                  |
| 6.  | Ms. Prajna Paromita Dey | "A Study of Organizational Culture and its Impact on Organizational Effectiveness in Eastern Railways".                                     |
| 7.  | Ms. Rama Sharma         | "Human Resource Management Practices in Transport Sector – A Comparative Study of Himachal Road Transport Corporation and Punjab Roadways". |
| 8.  | Mr. Shashank Raina      | "A Study of Organized Food Retail and its Impact on Farmers".                                                                               |
| 9.  | Mr. Vikas Sood          | "The Role of EVM and VVPAT in the Management of Elections in the State of Himachal Pradesh".                                                |
| 10. | Ms. Ashita Bhagra       | 'A Study of the Industry Academia Employability Skills Gap of Management Graduates".                                                        |

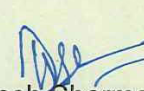
The meeting ended with a vote of thanks to the Chair.

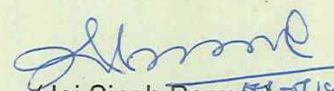
  
(Ran Singh Dhaliwal)  
External Expert

  
(Prof. B.S. Bodla)  
External Expert

  
(Prof. K.K. Raina)  
External Expert

  
(Pramod Sharma)

  
Dinesh Sharma)

  
(Jai Singh Parmar)

  
(S.L. Kaushal)  
Dean/Chairman

**PROCEEDINGS OF THE MEETING OF THE RESEARCH DEGREE COMMITTEE IN THE SUBJECT OF MANAGEMENT STUDIES HELD ON 23.12.2019 AT 12:00 NOON UNDER THE CHAIRMANSHIP OF PROF. S.L. KAUSHAL, DEAN, FACULTY OF COMMERCE & MANAGEMENT STUDIES IN THE MINI AUDITORIUM OF HIMACHAL PRADESH UNIVERSITY BUSINESS SCHOOL, H. P. UNIVERSITY SHIMLA-171005.**

A meeting of the Research Degree Committee in the subject of the Management Studies was held on 23.12.2019 at 12:00 noon under the Chairmanship of Prof. S.L. Kaushal, Dean, Faculty of Commerce & Management Studies in the Mini Auditorium of HPUBS, H.P. University, Shimla-171 005.

The following members were present:-

- |    |                                                                                                                                           |   |                 |
|----|-------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------|
| 1. | Prof. S.L. Kaushal                                                                                                                        | - | Chairman        |
| 2. | Prof. Pawan Garga                                                                                                                         | - | Member          |
| 3. | Prof. J.B. Nadda<br>Director, CEC, UGC, New Delhi.                                                                                        | - | Member          |
| 4. | Prof. Jai Singh Parmar                                                                                                                    | - | Member          |
| 5. | Prof. Dinesh Kumar                                                                                                                        | - | Member          |
| 6. | Prof. K.K. Raina,<br>Department of Business Management,<br>Dr. Y.S. Parmar University of Horticulture<br>& Forestry (Nauni), Solan (H.P.) | - | External Expert |
| 7. | Prof. Ran Singh Dhaliwal,<br>Department of Management ,<br>Punjabi University, Patiala (Pb.)                                              | - | External Expert |

The following items were taken up:

**Item No. 1: Minutes of the last meeting held on 19.12.2018.**

Confirmed.

**Item No.2: Panel of Examiners.**

The Research Degree Committee approved the Panel of the examiners to evaluate the Ph.D. Thesis of the following candidates:

| Sr. No. | Name of Candidate | Topic                                                                                                         |
|---------|-------------------|---------------------------------------------------------------------------------------------------------------|
| 1.      | Mr. Amit Chopra   | Customer Satisfaction in Organized Retail: A Study of Tri-City.                                               |
| 2.      | Ms. Esha Bansal   | A Study on Personality Traits Determining the Work Engagement of Women Employees in Banking Sector.           |
| 3.      | Ms. Aastha Sen    | Emotional Intelligence at Workplace and its Relationship with Organizational Commitment and Job Satisfaction. |
| 4.      | Ms. Neeti Gupta   | CUSTOMER SATISFACTION, TRUST AND REPURCHASE INTENTION IN ONLINE SHOPPING AMONG CONSUMERS.                     |
| 5.      | Ms. Stuti Jalan   | Workplace Spirituality and Occupational Stress: A Study of Himachal Pradesh Police.                           |
| 6.      | Ms. Pooja Dogra   | "Quality of Work Life: A Comparative Study of Public and Private Hospitals".                                  |

Contd...2/-

**Item No.3: Approval of Synopsis and Topics.**

Synopsis of the following candidates were approved by the Research Degree Committee:-

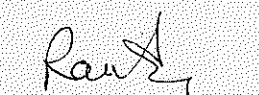
| Sr. No. | Name of the Candidate    | Title of the Topics                                                                                                                               | Name of the Supervisor |
|---------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 1.      | Mr. Vipin                | Customer Complaining Behavior Towards Online Shopping Sites: A Study of Himachal Pradesh.                                                         | Prof. J.B. Nadda       |
| 2.      | Ms. Taranjit Kaur Kainth | FINANCIAL PLANNING AMONG WORKING WOMEN IN EDUCATION SECTOR: A COMPRARATIVE STUTY OF H.P. AND PUNJAB.                                              | Dr. Puneet Bhushan     |
| 3.      | Ms. Pallavi Sood         | FINANCIAL FRAUDS IN INDIAN BANKING SECTOR: A STUDY OF MANAGEMENT AND CUSTOMERS PERCEPTIONS.                                                       | Dr. Puneet Bhushan     |
| 4.      | Mr. Pankaj Pal           | Impact of New Age Payment and Settlement System on Customer Satisfaction: An Empirical Study of SBI Customers in Shimla and Kangra Distt. of H.P. | Prof. Pramod Sharma    |

**Item No.4: Recommending Continuation of Ph.D. Registration based on Research Progress Report.**

The Research Degree Committee considered six monthly research progress reports of 31 candidates (as per Annexure 'A') and recommended continuation of the Research Scholars.

The meeting ended with a vote of thanks to the Chair.

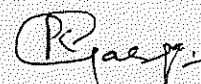
  
(K.K. Raina) 23/12/19  
External Expert

  
(Ran Singh Dhalwal)  
External Expert

  
(Dinesh Kumar)

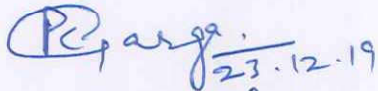
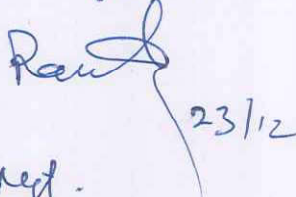
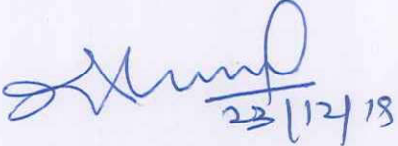
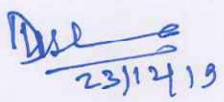
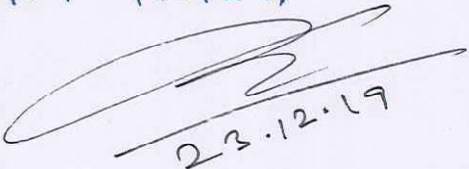
  
(Jai Singh Parmar)

  
(J.B. Nadda)

  
(Pawan Garga)

  
(S.L. Kaushal)  
Dean/Chairman

A meeting of the Research Degree Committee in the subject of Management Studies held on 23.12.2019 at 12:00 noon in the office of the Director, HPUBS. The following were present:-

| <u>Sr. No.</u> | <u>Name</u>                                                                                                        | <u>Signature</u>                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1.             | Prof. S.L. Kaushal,<br>Chairman/Dean                                                                               | <br>23.12.19   |
| 2.             | Prof. Pawan Garga<br>Director, HPUBS, HPU, Shimla-5.                                                               | <br>23.12.19   |
| 3              | Prof. Ran Singh Dhaliwal<br>Prof & Head<br>Dept. of Tourism, Hospitality & Hotel Mgt.<br>Punjab University Patiala | <br>23/12      |
| 4.             | Prof. J. S. Parmar HPUBS                                                                                           | <br>23/12/19  |
| 5.             | Prof. Dinesh Sharma                                                                                                | <br>23/12/19 |
| 6.             | Dr. NARENDER SINGH CHAUHAN                                                                                         | <br>23/12/19 |
| 7.             | Dr. K K Rize,                                                                                                      | <br>23.12.19  |

HIMACHAL PRADESH UNIVERSITY

SHIMLA

COURSES OF STUDY/SYLLABUS

FOR

MASTER OF ARTS

IN

PSYCHOLOGY

1. These M.A. courses of study in Psychology shall come into force from July 2003 onwards for M.A. Part-I (1<sup>st</sup> and 2<sup>nd</sup> semesters) and for M.A. Part-II (3<sup>rd</sup> and 4<sup>th</sup> semesters) from July 2004.
2. The evaluation system from 1<sup>st</sup> to 4<sup>th</sup> semesters shall continue to be same as being followed presently.
3. In each semester 4 theories and one practical course shall be offered and each course (theory or practical) will be of 60 marks.

The course requirements for the Master of Arts in Psychology are designed for various aims in view. Its basic objective is to provide theoretical orientation supplemented by practicals with respect to each field of psychology from 1<sup>st</sup> to 3<sup>rd</sup> semesters. The second major aim is to provide comprehensive training with research orientation in the specialized fields during the 4<sup>th</sup> semester, so that the student can apply the knowledge meaningfully for the well-being and development of society.

### Semester-I

|             |                           |          |
|-------------|---------------------------|----------|
| Course-I.   | Foundations of Psychology | 60 Marks |
| Course-II.  | Research Methodology-I    | 60 Marks |
| Course-III. | Cognitive Processes       | 60 Marks |
| Course-IV.  | Social Psychology         | 60 Marks |
| Course-V.   | Practicals (experiments)  | 60 Marks |

### Semester-II

|              |                                     |          |
|--------------|-------------------------------------|----------|
| Course-VI.   | Neurological Bases of Behaviour     | 60 Marks |
| Course-VII.  | Research Methodology-II             | 60 Marks |
| Course-VIII. | Applied Social Psychology           | 60 Marks |
| Course-IX.   | Personality Theories and Assessment | 60 Marks |
| Course-X.    | Practicals (tests)                  | 60 Marks |

### Semester-III

|              |                          |          |
|--------------|--------------------------|----------|
| Course-XI.   | Psychopathology          | 60 Marks |
| Course-XII.  | Research Methodology-III | 60 Marks |
| Course-XIII. | Emotions                 | 60 Marks |
| Course-XIV.  | Cognitive Processes-II   | 60 Marks |
| Course-XV.   | Practicals (experiments) | 60 Marks |

### Semester-IV

|             |                   |          |
|-------------|-------------------|----------|
| Course-XVI. | Psychodiagnostics | 60 Marks |
|-------------|-------------------|----------|

M. A. First Semester

Course-IV: Social Psychology

1. Background of social psychology. Experimental methodology in social psychology: (a) Advantages and disadvantages of experimental method. (b) Methodological issues and problems: Experimenter bias and ethical problems of experimentation in social psychology.
2. Social Influence on behaviour: Imitation and observational learning compliance, obedience, conformity – classical studies.
3. Attitude formation and change: (a) Concept of attitudes (b) Learning of attitudes (c) Communication and persuasion for attitude change (d) Cognitive dissonance and attitude change.
4. Social perception: (a) Person perception and social cognition (b) Forming impression of others (c) Attribution theories.
5. Group process: Human relationship, social motivation, social emotion (aggression). Group structure (status, roles, leadership); Communication network; Group problem solving.

*Readings*

Aronson, E. & Carlsmith, M.J. (1990). Experimentation in Social Psychology. In G. Lindzey, & E. Aronson (Eds.) *The Handbook of Social Psychology* (Vol.2). Amrind.

Aronson, E. (1975). The theory of cognitive dissonance: A current perspective. In L. Berkowitz (Ed.) *Advances in Experimental Social Psychology* (Vol.8). New York: Academic Press.

Bandura, A.; & Walters, R.H. (1963). *Social Learning and Personality Development*. New York: Holt, Rinehart & Winston,

Baron, R.A.; & Byrne, D. (1988). *Social Psychology*. London: Prentice-Hall.

Berkowitz, L. (1975). *A Survey of Social Psychology*. The Drudon Press.

Hoffman, L. (1975). Group problem solving . In L. Berkowitz, (Ed.) *Advances in Experimental Social Psychology* (Vol.4). New York: Academic Press.

Hollander, E.P. (1979). *Current Perspectives in Social Psychology*. New York: John Wiley,

Insko, C.A.; & Schopler, J. (1972). *Experimental Social Psychology*. New York: Academic Press.

Jaspers, J.; Fincham, F.D.' & Hewstone, M. (Eds.) (1983). *Attribution Theory and Research: Conceptual, Developmental and Social Dimensions*. New York: Academic Press.

Kelley, H. (1975). Group problem solving. In G. Lindzey & E. Aronson (Eds.) *The Handbook of Social Psychology* (Vol. IV). Amrind.

McClintock, C.G. (Ed.) (1972). *Experimental Social Psychology*. New York: Holt, Rinehart & Winston,

McGuire, J.W. (1975). The Nature of Attitudes and Attitude change. In G. Lindzey & E. Aronson (Eds.) *The Handbook of Social Psychology* (Vol.III). Amrind.

Pandey, J. (1988). Social Influence Processes. In J. Pandey (Ed). *Psychology in India: The State-of-the-Art* (Vol.II, pp. 55-93). New Delhi: Sage.

Triandis, H. (1995). *Culture and Social Psychology*. New York: McGraw Hill.

Ward, D.C. (1970). *Laboratory Manual in Experimental Social Psychology*. New York: Holt, Rinehart & Winston.

Rajan, M. A. S. (Ed.) (1988). *Consciousness*. Malkote: The Academy of Sanskrit Research.

Sharma, K. (1986). *Handedness, Cognitive Abilities and Hemisphericity*. Delhi: Mittal Publications.

Varela, F. J.; & Shear, J. (Eds.) (1999). *The View From Within: First-Person Approaches to the Study of Consciousness*. Thorverton, UK: Imprint Academic.

Weizkrantz, L. (1990). Problems of learning and memory: One or multiple memory systems. *Philosophical Transactions of the Royal Society of London*, 329: 99-108.

World Health Organization. (2001). *The World Health Report: 2001: Mental Health: New Understanding, New Hope*. Switzerland: WHO.

### M. A. Second Semester

#### Course- VII: Research Methodology – II (Experimental Methods)

1. Experimentation in Psychology: Purpose, Nature of variables, Types of Experimental designs (techniques of manipulation), Types and control in experiment. Sources of bias, Ethical issues in psychological research.
2. Between Group designs: Randomized Group Design/Single Factor Design. Randomized Block Design. Factorial designs (pxq & pxqxr). Multiple comparison among means: Duncan's, Newman Keuls, and Tuckey.
3. Within-Group Design: Single factor repeated measure design and curve fitting.
4. Mixed Designs: Two factors mixed design (repeated measure on one factor).

5. Non Parametric Tests: Sign test; Wilcoxon matched pairs signed rank test; Mann Whitney U Test; Friedman's two-way ANOVA; Kruskal Wallis one way ANOVA; Chi Square.

### *Readings*

Black, T.R. (1988). *Quantitative Research Designs for Social Sciences*. Thousand Oaks: Sage.

Broota, K.D. (1992). *Experimental Design in Behavioural Research*. New Delhi: Wiley Eastern.

Bruning, J.L. & Kintz, B.L. (1987). *Computational Handbook of Statistics*. London: Scott, Foresman and Company.

D'Amato, M.R. (1970). *Experimental Psychology, Methodology, Psychophysics and Learning*. New York: McGraw Hill.

Edwards, A.K. (1976). *Experimental Designs in Psychological Research*. New York: Holt Rinehart & Winston.

Newman, W.L. (1991). *Social Research Methods: Qualitative and Quantitative*. Boston: Allyn & Bacon.

Robinson, P.W. (1976). *Fundamentals of Experimental Psychology*. New Delhi: Prentice Hall,

Siegal, S. (1956). *Nonparametric Statistics for the Behavioural Sciences*. New York: McGraw Hill,

Winer, B.J. (1971). *Statistical Principles in Experimental Design*. New York: McGraw Hill.

Dowson, J.H.; & Grounds, A.T. (1995). *Personality Disorders Recognition and Clinical Management*. London: Cambridge University Press.

Kaplan, B.J.; & Sadock, B.J. (Eds.). *Synopsis of Psychiatry* (7<sup>th</sup> ed). USA: Williams & Wilkins.

Kazdin, A.E. (1992). *Research Design in Clinical Psychology*. Boston: Allyn & Bacon.

Zuckerman, E.L. (1995). *Clinician's Thesaurus* (4<sup>th</sup> ed.). New York: Guilford Press.

### M.A. Third Semester

#### Course XII: Research Methodology – III

(Non-Experimental & Qualitative Methods)

1. True Experiments and Quasi-Experiments: Characteristics of true experiments, obstacles of conducting. True Experiments in natural setting; Threats to internal validity controlled by True Experiments; Problems that even True Experiments may not eliminate. Quasi-Experiments.
2. Specific Quasi-Experimental Designs: The non-equivalent control group design: its illustration and sources of invalidity in this design; Interrupted time series designs, Time Series with non-equivalent control group (Multiple time series design). Single case designs: problems, limitation and extension to research in natural settings.
3. Correlational Designs: Cross-sectional design; Longitudinal design (Successive independent sample study); Panel design. Introduction to multiple correlation.
4. Quantitative Research-I: Characteristics of qualitative research, Qualitative/Quantitative distinction, Ethics. Research designs: Case studies & Multisite studies. Analytic induction and constant comparative method; Proposal writing, Interview schedules and Observer guides.
5. Qualitative Research-II: Field work; Participant/Observer continuum; Interviewing; Photography. Types or sources of qualitative data; Data analysis and report writing.

## *Readings*

Altmann, J. (1974). Observational Study of behavior: Sampling methods. *Behaviour*, XLIX (3-4): 227-267.

Barbara, G.T.; & Fidell, L.S. (1983). *Using Multivariate Statistics*. London: Harper & Row.

Blalock, H.M. (1979). *Social Statistics*. New York: McGraw Hill.

Bogdan, R.C.; & Biklen, S.K. (1992). *Qualitative Research for Education: An Introduction to Theory and Methods*. London: Allyn & Bacon.

Cook, T.D.; & Campbell, D.T. (1979). *Quasi Experimentation*.

Jones, R.A. (1985). *Research Methods in the Social and Behavioural Sciences*. Sunderland: Sinaver Assoc.

Shaughnessy, J.J. & Zechmeister, E. B. (1985). *Research Methods in Psychology*. New York: Alfred A. Knopf.

8. Study of aesthetic quality of geometric designs by method of paired comparisons.
9. Study of the effect of relaxation on the muscular response.
10. Study of emotional expressions in two species (slides or photographs or naturalistic observation).

*Note: References in respective manuals and same as in Course-XIV. The student shall have to perform eight experiments during the semester.*

#### M. A. Fourth Semester

#### Course -XVI: Psychodiagnostics

1. Nature of Psychological Assessment: Case study, history taking, interview and observation. The limitation of traditional methods e.g. behavioural. Rationale for each psychological test to be administered on the client. **Ethics of psychological testing.**
2. Cognitive Assessment: Intelligence Aptitude creativity & interests. The value and limitations of cognitive testing.
3. Personality Assessment: Questionnaire and projective tests e.g. Rorschach TAT and inkblot tests. Tests of values. The value and limitations of personality tests.
4. Neuropsychological Reports: Assessment of psychophysiological indices of arousal and anxiety (e.g. GSR, ECG, EEG) and relationship with subjective reports.
5. Reporting: Integrating different test results. Recent advances in psychodiagnostics

*Note: A visit to the general and mental hospital is mandatory.*

### *Readings*

Beck, S.J. (1978). *Rorschach's Test*. New York : Grune & Stratton.

Bellack, L. (1954). *The Thematic Apperception Test and Children's Apperception Test in Clinical Use*. New York: Grune & Stratton.

Campbell, J.P.; et al. (1973). The development and evaluation of behaviourally based scales. *Journal of Applied Psychology*, 54: 15-22.

Chapman, L.J.; & Chapman, L.P. (1968). Illusory correlation as an obstacle to the use of valid psychodiagnostics signs. *Journal of Abnormal Psychology*, 74: 271-280.

Choe, P.; & Shanley (1986). Factor analysis of MCMI. *American Psychologist*, 54 (2): 253-256.

Ciminero, A.R.; et al. (Eds.)(1986). *Handbook of Behavioural Assessment*. New York: John Wiley.

Harsen, M.; & Bellack, A.S. (Eds.) (1981). *Behavioural Assessment : A practical handbook*. New York: Pergamon Press.

Golden, C.G.; Moses, J.A.; Coffman, J.A.; Miller, W.R; & Strider, F.D. (1983). *Clinical Neuropsychology: Interface with neurological and psychiatric disorders*. U.K.: Grune and Stratton.

Greene, R. L. (1991). *MMPI: An interpretive manual*. Massachusetts: Allyn & Bacon.

Sarason, I.G. (Ed.) (1980). *Test Anxiety: Theory, Research and Applications*. Hillsdale, N.J.: Lawrence Erlbaum.

Spielberger, C.D.; & Vagg, P.R. (Eds.) (1995). *Test Anxiety: Theory, Assessment and Treatment*. USA: Taylor and Francis.

Tiffin, J.; & McCormick, E.J. (Eds.) (1980). *Industrial Psychology*. London; Prentice Hall.

M. A. Fourth Semester

Course - XXIII: Environment and Behavior

Basic Issues in Environment and Behavior: An Interdisciplinary Approach;

Habitats in human history; Ideologies of environmentalism in India; Social and economic change.

Culture and Ecology: Changing man-nature relationship; Demography:

Mortality, fertility and parental care; Ecology and culture in psychology; Acculturation and psychological adaptation.

**Environmental Ethics and Social Movements:** Earth as a living system, the

Gaia; The Deep Ecology; The Chipko movement; Distressed human development and its impact on community, families and individual.

4. Concern for Environment: Perception and preferences; Crowding and personal space; Psychosocial issues in joint forest management, biodiversity conservation and alternative technology interventions.
5. Resource Use and Human Well-being: Concepts of well-being, utilitarianism and resource; Resource use: The commons, displacement, migration.

*Readings*

Bonnes, M.; & Secchiaroli, C. (1995). *Envioronmental Psychology: A psychological*

*Introduction*. London: Sage.

Dreze, J.; & Sen, A. (Eds.) (1992). *Indian Development*. Delhi: Oxford University Press.

Gadgil, M.; & Guha, R. (1999). *This Fissured Land: An Ecological History of India*. New Delhi: Oxford.

Lovelock, J. E. (1987). *Gaia: A new Look at Life on Earth*. New York: Oxford University Press.

Mishra, R. C.; Sinha, D.; & Berry, J. W. (1996). *Ecology, Acculturation and Psychological Adaptation*. New Delhi: Sage.

Naess, A. (1989). *Ecology, community and lifestyle. Outline of an ecosophy*. New York: Cambridge University Press.

Ittelson, W. H.; Proshansky, H. M.; Rilvin, E. G.; Winkel, G. H.; & Dempsey, D. (1974). *An Introduction to Environmental Psychology*. New York: Holt, Rinehart and Winston.

Segall, M. H.; Dasen, P. R.; Berry, J. W.; & Poortinga Y. H. (1999). *Human Behavior in Global Perspective*. London: Allyn and Bacon.

Sen, A. (1999). *Inequality Reexamined*. New Delhi: Oxford University Press.

#### *Further Readings*

Bunyard, P. (Ed.) (1996). *Gaia in Action*. Edinburgh: Floris Books.

Colhoun, J. B. (1982). Population density and social behavior. *Scientific American*, February.

Evans, G. W.; Palsane, M. N.; Lepore, S. J.; & Martin, T. (1989). Residential density and psychological health: The mediating effects of social support. *Journal of*

*Personality and Social Psychology*, 57, 994-999.

Gadgil, M.; & Guha, R. (1995). *Ecology and Equity*. New Delhi: Penguin Books.

Goldsmith, E. (1998). *The Way: An Ecological World-view*. Athens: The University of Georgia Press.

Kiev, A. (Ed.) (1970). *Social Psychiatry. Vol. 1*. London: Routledge & Kegan Paul.

Odum, E. P. (1997). *Ecology: A Bridge between Science and Society*. Massachusetts: Sinauer Associates.

Rangan, H. (2000). *Of Myths and Movements: Rewriting Chipko into Himalayan History*. New Delhi: Oxford University Press.

Riczin, T. (Ed.) (1997). *Fire in the Heart, Fire Wood on the Back*. Silyara: Parvatiya Navjivan Mandal.

Roy, A. (1999). *The Greater Common Good*. Bombay: India Book Distributors.

Sahoo, F. M.; Mishra, P. K.; & Pirta, R. S. (Eds.) (1988). *Environment and Behaviour*. Delhi: Akshat Publications.

Schumacher, E. F. (1993). *Small is Beautiful*. London: Vintage.

Stokols, D.; & Altmann, I. (Eds.) (1987). *Handbook of Environmental Psychology*. New York: Wiley. Vols. I & II.

Wicker, A. W. (1979). *An Introduction to Ecological Psychology*. New York: Cambridge University Press.

- Pareek, U. (1993). **Making Organizational roles Effective**. New Delhi : Tata McGraw-Hill.
- Pestonjee, D. M. (1991). **Stress and Coping : The Indian Experience**. New Delhi :Sage.
- Spielberger, C. D. & Sarason, I. G. (Eds.) (1980). **Stress and anxiety**. (volumes 1 to 6). Hemisphere corporation (relevant chapters).
- Seyle, H. (1980). **Selye's Guide to Stress Research**. Von Nostrand. (chapters 1,2,3, & 5).
- Spielberger, C. D. (Eds.) (1966). **Anxiety and Behaviour**. Academic press (chapters 1,2,3,12 & 14).
- Spielberger, C. D. (Eds.) (1972). **Anxiety**. Current Trends in Theory and Research. Academic press, vol. 1 (chapters 1,7,2) Vol.2 (chapters 8,11,12 & 14).
- Spielberger, C. D. & Peter, R. Vagg. (1965). **Test Anxiety** : Theory, Assessment and treatment. Taylor & Francis.
- Sarason, I. C. (1980). **Test anxiety : Theory, Research & Applications**. Lawrence. Erlbaum Associates. Hillsdale, New Jersey.

## Course-II (C): Environmental Psychology

100 Marks

### 1. Paradigms in Environmental Psychology

(a) : Non-Psychological : Ecological Wisdom in traditional societies and religions. Ecosystem approach. Ethological approach. Gaia Hypothesis : the Earth as a living system. Deep Ecology: **environmental ethics**.

(b): Psychological : Ecological Psychology. Bio-Social Psychology. Person-environment transactions.

### 2. Society, Culture and Ecology

Ecohistory : Changing man-nature relationships Demography : mortality, fertility and Parental care. Ecology, acculturation and psychological adaptation. Resource Use: Cooperation and conflict, displacement, migration.

### 3. Concern for Environment

Environment perception. Pro-Environment Behaviour. Environmental Movements: Chipko, Tehri and Narmada. Biodiversity conservation. Alternative technology.

### 4. Ecology and Mental Health\Well-Being.

Environmental degradation vis-à-vis indicators of distressed human development. Its impact on the structure of community, the functioning of families, and well-being of the Individual.

## Readings

- Riczin,T. (1997). **Fire in the Heart, Fire Wood on the Back**. Silyara : Parvatiya Navjeevan Mandal.
- Jain, U. (1987). **The Psychological Consequences of Crowding**. Sage: New Delhi.
- Sarason, I. G. ,: Sarason, B. R. , Brock, M. & Pierce, G. R. (1996). Social Support : Current status, current issues. In C. D. Spielberger & I. G. Sarason (Eds.),**Stress and Emotion**, Volume 17, Washington : Taylor & Francis.

## History and Historiography

### Course-HIST 101

#### Semester First

#### Course Description

Expressing the purpose and methods of history as an academic discipline seems simple and intuitive; but, closer examination divulges that a variety tools, methods, and ideas influence history writings in considerable ways. This course introduces students some of the influential ways of thinking about history and the history writings, from ancient to modern. Students will read some theoretical or philosophical works that examine the assumptions and methods of academic historians, exploring how the discipline has changed over recent decades and considering such concepts as fact, causality, objectivity, evidence, etc. Outlook of the course will be global recognizing at the same time the influence of different ideology on the discipline. Through the course, students will also have the chance to sharpen their skills in analytical thinking, reviewing scholarly work and evaluating historiographic traditions.

#### Course Learning Outcomes

- Enable students to discern the value of history as an academic discipline and answer the question, such as 'what & why' history?
- Introduce students to the various ways in which historians understand the development of the academic discipline of history and the forms and conventions of writing that have been most prevalent in recent decades
- Introduce a critical awareness of the theories, methods and concepts utilised by historians to account for continuity and change in history
- Foster students to assess the impact of various schools of historical writings on the discipline
- Familiarize students with the vocabulary historians use to describe recent historiographic trends and practices, including such concepts as 'Marxist' and 'Subaltern histories', 'History from below', 'Annales school', 'History from the margins', etc.
- Facilitate students to improve the skills they need to become successful researcher notably critical reading, thinking and writing skills

#### Unit-I

- History, what and why?: nature and scope, section will include reflection on history, people and time
- Historical concepts: fact, causation and objectivity

#### Unit-II

- Pre-modern historiographical tradition: Greek, Herodotus and Thucydides; Roman, Livy and Tacitus; Christian, St. Augustine; Arabs, Ibn Khaldun; India, *Itihasa-Purana* tradition, Kashmir chronicle of Kalhan; Genealogy writing tradition, *vanshavalī* of Chamba
- Modern historiography: Ranke and empiricism; August Comte and positivism

#### Unit-III

- Marxist and subaltern histories, reflection of classical Marxist framework, history from below: The French and the Annales school
- Approaches in Indian historiography: Orientalist writings, William Jones; Colonial, James Mill and Vincent Smith; Nationalist, Jadunath Sarkar and R.C. Majumdar; Marxist, D. D. Kosambi and Romila Thapar
- History from the margins, with the intention of familiarizing students with approaches to writing oral, feminist and dalit histories

#### Unit-IV

- Historical observation: General characteristics of historical observation, evidence, criticism and analysis
- The process of writing history: Selection of topic, note taking, research ethics, quotation & paraphrase, synopsis, final draft: chapterisation, footnotes, citations, references & bibliography

*36483*

उत्तराखण्ड  
इतिहास विभाग  
देहरादून

## Essential Readings

- Bloch, Marc, *Itihaskar Ka Shilp*, reprint, Delhi: Granthshilpi, 2013.
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**3.4.1 Research Methodology (M.Phil & Ph.D. Course work).**

| Sr. No. | Document                                       | Page No. |
|---------|------------------------------------------------|----------|
| 1       | Syllabus of M.Phil-Sanskrit & Ph.D Course work | 2-8      |
| 2       | Research Degree committee Notification         | 9-10     |

एम० फिल० संस्कृत  
=====

टिप्पणी :

एम० फिल० (वर्ग-निष्ठागत, संस्कृत) पाठ्यक्रम की अवधि एक वर्ष होगी। यह पाठ्यक्रम दो सत्रों में विभक्त होगा। प्रथम बाणमासिकी में दो पत्र होंगे जिनकी लिखित परीक्षा बस के अंत में होगी। द्वितीय बाणमासिकी में छात्रों को सधु-गोध-प्रबन्ध लिखना होगा।

प्रथम बाणमासिकी में 20 Semester

प्रथम पत्र : गोध-प्रविधि पाण्डुलिपि विज्ञान, वेद, व्याकरण तथा भाषाविज्ञान पूर्णकालिक 100

30 अंक

क) गोध-प्रविधि तथा पाण्डुलिपि-विज्ञान

1. गोध : अर्थ, परिभाषा, रस्य-रस्य, विभिन्न पदलियाँ ऐतिहासिक, दार्शनिक प्रगति, वेद-प्रयोगात्मक।

2. विषय-समय तथा गोध-प्रविधि : विषय-समय, विषय-समय की विविध प्रणालियाँ, रिपोर्ट-समय, गोध-पत्र, धर्मिक का परिचय, सामाजिक गोध-विषय, शिर्षक, स्वरूप, पुस्तकालय-उपयोग विधि, सामग्री-संकलन, सामग्री-संकलन के मुख्य और गौण छोट, सामग्री संकलन की विभिन्न पदलियाँ, जो लिखने की विविध प्रणालियाँ, वेदिक सामग्री का लिखना, लिखना, लिखना में विभाजन, पाद-टिप्पणियों तथा उद्धरणों की संकलन, लिखना-प्रणाली तथा लिखना।

3. पाण्डुलिपि विज्ञान : 1. पाण्डुलिपि विज्ञान और उसकी सीमाएँ

2. पाण्डुलिपियों के प्रकार

35 अंक

ख) वेद तथा ब्राह्मण :

1. वेदिक साहित्य : सामान्य-परिचय

वर्ण-विषय, रचना क्रम, काल

2. वेदिक देवता, समाज और संस्कृति।

3. ऋग्वेद की भाषा और अन्य वेदों की भाषा के साथ उसकी तुलना।

4. शतपथ ब्राह्मण संक्षेप

ग) व्याकरण तथा भाषाविज्ञान

35 अंक

1. पाणिनि-पूर्व व्याकरणशास्त्र की प्रवृत्ति।

2. पाणिनीय व्याकरण-व्याख्या तथा प्रतिपाद।

90 2/---

3. पाणिनीय-संस्कृत-व्याकरण-परम्परा का संक्षेप की रचना  
॥ शाकटायन, कात्यायन, चान्द, जेनेन्द्र, हेमचन्द्र, साखर,  
बोपदेव, जोमर, सोपदम ॥

4. व्याकरणशास्त्र का दार्शनिक पक्ष तथा उसके सिद्धान्त-प्रतिलिपि,  
महर्षि, भट्टोजिदीक्षित, कोटिभट्ट, नारण, जगदीशकविशारद ॥

5. भाषाविज्ञान : उद्भव और विकास।

6. भाषा की उत्पत्ति के विभिन्न सिद्धान्त और भाषाओं का वर्गीकरण।

7. वाक्यरूपों का वर्गीकरण एवं उनके आधार।

8. संस्कृत भाषा का वर्ण-समान्ताय और स्वानिमिकी।

परीक्षा के लिए निर्देश :

1. प्रत्येक भाग से एक-एक प्रश्न करना आवश्यक है।
2. प्रत्येक भाग से तीन-तीन प्रश्न पूछे जाएंगे।
3. कुल तीन प्रश्नों का ही उत्तर देना होगा।

अनुसूचित सहायक-ग्रन्थ

॥ क॥ 1. कल्पमाला :

॥ 1॥ संस्कृत शोध-प्रक्रिया एवं वैदिक अध्ययन।

॥ 2॥ संस्कृत शोध।

2. शर्मा, विनयमोहन : शोध-प्रविधि।

3. नोन्द्र, ॥ 1॥ अनुसंधान। ॥ 2॥ शोध और सिद्धान्त।

4. उमाशंकर, देवराज : साहित्य एवं शोध : कुछ संस्थापक।

5. शर्मा, मन्नाय सिंह : शोध-प्रक्रिया और विचारधारा।

6. शंकराचार्य : संस्कृत शोध-तत्त्व और सिद्धान्त।

7. सिंह, वैजनाथ : शोध-स्वरूप एवं मानक कार्यविधि।

8. त्रिचन्द्रा, सावित्री और स्नातक विजयेन्द्र, संपादक : अनुसंधान की प्रक्रिया।

9. पाण्डेय, डॉ० उमा : शोध-प्रक्रिया।

10. सिंह, डॉ० लिलक : नवीन शोध-विज्ञान।

11. गणेशन, एम० ए० : अनुसंधान-प्रविधि, सिद्धान्त और प्रक्रिया।

12. मूर्ति, श्रीमन् नारायण : शोध शोधोद्देशिका।

13. सिंह, उदयभानु : अनुसंधान की प्रक्रिया।

: 3 :

4. मिश्र, डॉ० केलासनाथ : हिन्दी अनुसंधान : वैज्ञानिक प्रवृत्तियाँ।  
 15. सत्येन्द्र : पाण्डुलिपि विज्ञान।  
 16. वर्मा, डॉ० रामगोपाल : पाण्डुलिपि संपादन कला।  
 § संपादक § :

- § ख § 1. सायण : ऋग्वेद-भाष्य-भूमिका।  
 2. स्वापी दयानन्द : ऋग्वेद-भाष्य-भूमिका।  
 3. पण्डित भावदत्त : वैदिक वाङ्मय का इतिहास।  
 4. पण्डित भावदत्त : वेद विश्वक व्याख्यान।  
 5. छाटे : वैदिक लेखन।  
 6. दाण्डेकर, आर० एन० : वैदिक विबलिग्रोफ़ाफी भाग 1-5।  
 7. मजूमदार, आर० सी० : वैदिक एज।  
 § संपादक § :  
 8. उपाध्याय, कलदेव : वैदिक साहित्य और संस्कृति।  
 9. डॉ० सूर्यकान्त : वैदिक देव शास्त्र।  
 10. डॉ० राम गोपाल : वैदिक-व्याकरण भाग 1-2।  
 11. वर्मा, डॉ० बी० के० : ऋग्वेद-प्रातिशाख्य।  
 12. गार्ग्यी डॉ० कपिल देव : वैदिक इतिहास एक परिशीलन।  
 13. डॉ० कृष्णलाल : गृह्यसूत्र और उनका विनियोग।  
 14. वर्मा, डॉ० राममूर्ति : वैदिक साहित्य का इतिहास।  
 15. मिश्र डॉ० वीरेन्द्र कुमार : कृष्ण यजुर्वेद : एक अध्ययन।  
 § कपिल देव कठ-संहिता के विशेष सन्दर्भ में §  
 16. विन्टरनिट्स डब्ल्यू० एम० : हिस्टरी ऑफ़ इण्डियन लिटरेचर भाग-1।

17. ओल्डेन वग : रिलीजन ऑफ़ दी वेदाज।  
 18. मेकडॉनल, एण्ड कीथ : वैदिक इण्डेक्स।  
 19. कीथ ए० बी० : वैदिक रिलीजन एण्ड फिलॉसफी अनुवादक-डॉ० सूर्यकान्त।  
 20. मेकडॉनल, ए० : वैदिक भाष्योलॉजी।  
 21. मेकडॉनल, ए० : वैदिक ग्रामर।

- § ग § 1. गार्ग्यी, डॉ० गौरीनाथ : फिलॉसफी ऑफ़ वेद एण्ड मीतिंग।  
 2. अग्रवाल, डॉ० वासुदेव लाल : पाणिनि कालीन भारतवर्ष।  
 3. मीमांसक, युधिष्ठिर : § 1 § संस्कृत व्याकरण शास्त्र का इतिहास।  
 § 2 § संस्कृत व्याकरण शास्त्र का उद्भव और विकास।  
 4. बन्नेकर, ए० के० : सिन्धुस ऑफ़ संस्कृत ग्रामर।  
 5. सिंह, डॉ० कलदेव : पद-पदार्थ-समीक्षा।  
 6. भट्टाचार्य, डॉ० रामा शङ्कर प्राणिनीय व्याकरण का अनुगमन।

7. त्रिपाठी, राम सुरेश : संस्कृत-व्याकरण-दर्शन।
8. जोषी, डॉ० एस०डी० : द स्फोटसिद्धि ऑफ कोण्डभट्ट।
9. वर्मा, डॉ० सत्यकाम : संस्कृत व्याकरण का उद्भव और विकास।
10. चक्रवर्ती, पी०सी० : पितासिन्धी ऑफ संस्कृत ग्रामर।
11. अग्निहोत्री, डॉ०पी०डी० : पतंजलि कालीन भारतवर्ष।
12. पाण्डेय, डॉ० रामाना : व्याकरण दर्शन की भूमिका।
13. द्विवेदी, डॉ० डॉ० एस० : भाषा और भाषिकी।
14. द्विवेदी, डॉ० कपिल देव : भाषाविज्ञान और भाषा शास्त्र।
15. वर्मा, डॉ० डी०डी० : अनुवादक : सामान्य भाषिकी।
16. वर्मा, देवेन्द्र नाथ : भाषाविज्ञान की भूमिका।
17. व्यास, भोलानाथ : संस्कृत का भाषा शास्त्रीय अध्ययन।
18. त्रिपाठी, रामदेव : भारतीय भाषा विज्ञान की परम्परा और आचार्य पाणिनि।
19. बरो, टी० : संस्कृत भाषा।
20. एलेन डब्ल्यू० एस० : प्राचीन भारत में ध्वनि विज्ञान।

द्वितीय पत्र : दर्शन तथा साहित्य एवं साहित्य शास्त्र।

पूर्णाङ्क : 100

प्रश्न : भारतीय दर्शन :

50 अंक

1. न्याय तथा वैशेषिक दर्शन : न्यायः अनुमान प्रमाणः  
वैशेषिक दर्शनः पदार्थ-मीमांसा।
2. सांख्य दर्शन : प्रमाण-मीमांसा, सत्कार्यवाद, प्रकृति-पुरुष सिद्धान्त एवं कैवल्य।
3. मीमांसा दर्शन : पूर्व मीमांसा-धर्म-लक्षण, प्रकरणसिद्धान्त, कर्मसिद्धान्त, उत्तर मीमांसा-प्रस्थानत्रय सूत्रार्थ का स्वरूप, आत्मा का स्वरूप, जीवसुषुप्ति।
4. योगदर्शन : समाधि का स्वरूप, चित्त परिकर्मा।
5. नास्तिक दर्शन : देवतापवाद, निर्वाण, तत्त्वज्ञानिन्य।

: 5 :

8. साहित्य एवं साहित्यशास्त्र का समीक्षात्मक अध्ययन।

50 अंक

1. काव्य : लक्ष्य ग्रन्थों का समालोचनात्मक अध्ययन : रामायण, महाभारत, बुद्धचरित, रघुवंश, किराताकुनीय Dr. Vidyashankar
2. प्रमुख नाटककारों का अध्ययन : मास, कालिदास, भवति, विद्यादेव Dr. P. N.
3. लक्ष्य ग्रन्थों के प्रतिपाद का समीक्षात्मक अध्ययन : काव्य-लक्षण, शब्द-शक्ति, रस-सिद्धान्त, ध्वनि-सिद्धान्त, अलंकार, रीति एवं औचित्य (Syllabus) m.p. Dr. Ramesh Kumar

अनुसिद्ध सहायक ग्रन्थ :

1. गौतम : न्याय दर्शन वाचस्पयि भाष्य सहित।
2. विश्वनाथ पंचानन : न्याय सिद्धान्त मुक्तावली।
3. कणाद : वैशेषिकसूत्राणि।
4. शिवादित्य : सत्त्वदर्शी।
5. कपिल मुनि : साध्यदर्शन।
6. डॉ० आनंदप्रसाद मिश्र व्याख्याकार : साध्य-तत्त्व-कोमदी
7. महर्षि जैमिनि : जैमिनि सूत्र ग्रंथ अध्ययन का प्रथम पाठ।
8. लोकाचिन्ताशाला : अर्थशास्त्र
9. नारायण : मानवसोदय तन्त्रादक तथा अनुवादक सी० राजा मद्रास 1933
10. पतंजलि : पतंजल्योगसूत्र व्यास भाष्य सहित।
11. राधाकृष्ण, एस० : तन्त्रादक एवम् अनुवादक-राधाकृष्ण सिंह दिल्ली 1978 पुनर्मुद्रित
12. दासगुप्ता, एस० एन० : इण्डियन फिलॉसफी वाचस्पयि 1-28।
13. कविराज, गोपीनाथ : हिस्ट्री ऑफ इण्डियन फिलॉसफी
14. सिन्हा, जे० एन० : फिलॉसफी ग्रॉम दी हिस्ट्री एण्ड बिब्लियोग्राफी ऑफ न्याय-वैशेषिक लिदेर।

पृ० 6/-----

- |                               |   |                                                     |
|-------------------------------|---|-----------------------------------------------------|
| 15. मिश्र, उमेश               | : | भारतीय दर्शन।                                       |
| 16. उपाध्याय, बलदेव           | : | भारतीय दर्शन।                                       |
| 17. उपाध्याय, गुरु गोप्रसाद   | : | अद्वैतवाद।                                          |
| 18. मिश्र, डॉ० अश्विनी प्रसाद | : | सांख्य दर्शन की ऐतिहासिक परम्परा से आधुनिक परम्परा। |
| 19. शर्मा, डॉ० राम मूर्ति     | : | अद्वैत वेदान्त।                                     |
| 20. पाण्डे, रामचन्द्र         | : | भारतीय दर्शन की भूमिका।                             |
| 21. शास्त्री हरिदत्त          | : | भारतीय दर्शन शास्त्र का इतिहास।                     |

छ अनुासित सहायक-ग्रन्थ :

- |                                         |   |                                               |
|-----------------------------------------|---|-----------------------------------------------|
| 1. भारत                                 | : | नाट्यशास्त्र (अष्टाध्याय)।                    |
| 2. आनन्दवर्धन                           | : | ध्वन्यालोक।                                   |
| 3. जयसूक्त                              | : | अलंकार सर्वस्व।                               |
| 4. मम्मट                                | : | काव्य प्रकाश।                                 |
| 5. विश्वनाथ                             | : | साहित्य दर्पण।                                |
| 6. पंडितराज जगन्नाथ                     | : | रस गंगाधर।                                    |
| 7. काणे, पी० वी०                        | : | हिस्ट्री ऑफ़ संस्कृत पोयटिक्स।                |
| 8. डॉ० एस० के०                          | : | आसफेबेकस ऑफ़ संस्कृत लिटरेचर।                 |
| 9. डॉ० एस० के०                          | : | संस्कृत पोयटिक्स।                             |
| 10. सेटन, कृष्ण                         | : | हिस्ट्री ऑफ़ संस्कृत लिटरेचर।                 |
| 11. डॉ० एस० के० एण्डरसन गुप्ता, एस० एन० | : | हिस्ट्री ऑफ़ कासिमल संस्कृत लिटरेचर।          |
| 12. राजा, सी० कुन्दन                    | : | सर्वे ऑफ़ संस्कृत लिटरेचर।                    |
| 13. एम० कृष्णमोहनास्वामीयार             | : | हिस्ट्री ऑफ़ क्लासिकल संस्कृत लिटरेचर।        |
| 14. उपाध्याय, बलदेव                     | : | संस्कृत-साहित्य का इतिहास।                    |
| 15. गौरीनाथ वाचस्पति                    | : | संस्कृत साहित्य का बृहद् इतिहास।              |
| 16. उपाध्याय, रामजी                     | : | संस्कृत साहित्य का आलोचनात्मक इतिहास          |
| 17. देव पाण्डे, जी० टी०                 | : | भाग 1-2।                                      |
| 18. ठाकुर, प्रेम लाल                    | : | भारतीय-साहित्यशास्त्र।                        |
| 19. शास्त्री, डॉ० हरिदत्त               | : | भारतीय-साहित्यशास्त्र : एक सांस्कृतिक अध्ययन। |
| 20. डॉ० सूर्यकान्त                      | : | संस्कृत काव्यकार।                             |
|                                         | : | संस्कृत-वाङ्मय का विवेचनात्मक इतिहास।         |

|                            |                                        |
|----------------------------|----------------------------------------|
| 21. कृष्ण कुमार            | अलंकार शास्त्र का इतिहास।              |
| 22. पाण्डेय डॉ० सत्यनारायण | संस्कृत साहित्य का आलोचनात्मक इतिहास।  |
| 23. व्यास, भौलालकर         | संस्कृत-कविदर्शन।                      |
| 24. राव, केशव              | संस्कृत महाकाव्य की परम्परा।           |
| 25. भारती, कृष्ण देव       | भारतीय काव्यशास्त्र के सिद्धान्त।      |
| 26. पाण्डेय, रामभुनाथ      | काव्यशास्त्र का आलोचनात्मक इतिहास।     |
| 27. शर्मा, डॉ० ब्रजलाल     | अभूत के नाटक।                          |
| 28. डॉ० विद्या             | रामकाव्य में नारी।                     |
| 29. शर्मा, डॉ० राजिन्द्र   | काव्यालंकारसूक्तः एक शास्त्रीय अध्ययन। |
| 30. राजेश्वरी              | महर्षि काव्यशास्त्र के सिद्धान्त       |
| 31. लक्ष्मीधर प्रसाद       | काव्यालंकारसूक्तः एक शास्त्रीय अध्ययन। |
| 32. मोषिकी                 | महर्षि काव्यशास्त्र के सिद्धान्त       |

द्वितीय आणसासिकी

2nd Semester

पूर्णांक : 100

लक्ष्मीधर प्रसाद

31. लक्ष्मीधर प्रसाद

32. मोषिकी

begeta lion

V. K. Prasad

75 अंक

25 अंक

—10—

Himachal Pradesh University  
(NAAC Accredited "A" Grade University)  
Academic Branch, Summer-Hill, Shimla – 5.  
\*\*\*

No. 13-04 (2K12)-HPU (Acad)

Dated:- 11 DEC 2019

**Notification**

In exercise of powers vested in him under Ordinance 16.7 (iii) of the First Ordinance of the Himachal Pradesh University as amended from time to time the Hon'ble Vice-Chancellor has been pleased to constitute the Research Degree Committee in the subject of Sanskrit for Ph.D with immediate effect as under:

- |                                                                                                                              |            |
|------------------------------------------------------------------------------------------------------------------------------|------------|
| (i) Dean Faculty of Languages,<br>H.P.University, Shimla-5.                                                                  | Chairman   |
| (ii) Chairman and Professors of the<br>Department concerned, H.P.U. Shimla-5.                                                | Member (s) |
| (iii) Upto three experts nominated by the<br>Hon'ble Vice-Chancellor for a period of two years.                              |            |
| 1. Prof.Surender Kumar,<br>Department of Sanskrit, (Pali avam Prakrit)<br>Maharishi Dayanand University,<br>Rohtak, Haryana. | Member     |
| 2. Prof. Upender Rao,<br>Department of Sanskrit,<br>Indic Studies, Jawahar Lal Nehru University<br>New-Delhi.                | Member     |
| 3. Prof. Sangita Khanna,<br>Darshan Vibhag, Shri Lal Bahadur<br>Shastri Vidyapeeth, Katariya Sarai,<br>New Delhi.            | Member     |
| (iv) Supervisor of the candidate concerned.                                                                                  |            |

*[Signature]*  
11.12.19  
Assistant Registrar(Acad)  
H.P.University, Shimla-5.  
Dated: 11 DEC 2019

Endst. No. Even

Copy forwarded for information and necessary action to:-

1. All the concerned members as mentioned above.
2. The Dean of Studies, H.P.University, Shimla-5
3. The Deputy Registrar (Secy.), HPU, Shimla-5.
4. The SPS to the Vice-Chancellor/Registrar,HPU, Shimla-5.
5. Guard file.

*[Signature]*  
11.12.19  
Assistant Registrar(Acad)

**Himachal Pradesh University**  
NAAC Accredited 'A' Grade University  
'Department of Physics'

Dated: 06<sup>th</sup> October 2020

**Proceedings of the Research Degree Committee meeting in Physics**

An online meeting of the Research Degree Committee on the link <https://jiomeetpro.jio.com> was held on 06<sup>th</sup> October, 2020 at 10.30 A.M.

**The Following members were present:**

1. Prof. Arvind Kalia, Dean faculty of Physical Sciences, H.P. University, Shimla-5 (Chairman)
2. Prof. R.K. Moudgil, Department of Physics, Kurukshetra University, (Haryana), -Expert Member
3. Prof. S.K. Tripathi, Department of Physics, Punjab University, Chandigarh- Expert Member
4. Prof. Mahavir Singh, Department of Physics, H.P. University, Shimla-5.- (Member)
5. Prof. Shashi K. Dhiman, Department of Physics, H.P. University, Shimla-5.- (Member)
6. Prof. N.S. Negi, Department of Physics, H.P. University, Shimla- (Member)
7. Prof. Nagesh Thakur, Department of Physics, H.P. University, Shimla-5. - (Member)
8. Prof. Raman Sharma, Department of Physics, H.P. University, Shimla-5. - (Member)
9. Prof. Vir Singh Rangra, Chairman, Department of Physics, H.P. University, Shimla-(Member)

**Following decisions were taken on the agenda items:**

At the outset Dean of Studies Prof. Arvind Kalia and Chairman of the Department of Physics Prof. Vir Singh Rangra welcomed the members of Research Degree Committee.

**Item No. I**

**To approve the synopsis of the Ph.D. Thesis.**

All the candidates were requested to make presentation through online meeting of their research plan and synopsis in the presence of Research Degree Committee and, the synopsis of the following research scholar were approved.

| S.No. | Name of the Candidate | Name of Supervisor & Signature                                | Title of Synopsis                                                                                              | Remarks                                   |
|-------|-----------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 1.    | Ms. Anjali            | Prof. Nagesh Thakur & Dr. Balbir Singh Patial (Co-Supervisor) | Study of $\text{Se}_{79-x}\text{Te}_{15}\text{In}_6\text{Pb}_x$ ( $x=0,1,2,4,6,8,10$ ) Nano-crystalline Alloys | Synopsis & Panel of examiner was Approved |

*Arvind Kalia*

*26/10/20*

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*[Signature]*

*[Signature]*

*an*

|    |                          |                    |                                                                                                                                                  |                                           |
|----|--------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 2. | Ms. Smriti Thakur        | Prof. S.K. Dhiman  | An Investigation of Ground State Properties of Light to Medium Mass Nuclei within the Framework of Relativistic Hartree-Bogoliubov Approximation | Synopsis & Panel of examiner was Approved |
| 3. | Mr. Rajesh Thakur        | Prof. Raman Sharma | First Principle Study of 1D Graphene Derivatives                                                                                                 | Synopsis & Panel of examiner was Approved |
| 4. | Ms. Tamanna              | Prof. Raman Sharma | Structural, Electronic and Optical Properties of Chalcogenide <del>nanoclusters</del> Clusters: A First Principle Study                          | Synopsis & Panel of examiner was Approved |
| 5. | Mr. Sunil Kumar          | Dr. Amarjeet Singh | A study of magnetism in Iron based nanomaterials synthesized from Ferritin                                                                       | Synopsis & Panel of examiner was Approved |
| 6. | Mr. Manoj Kumar          | Dr. Amarjeet Singh | An Experimental Study of Crystalline Morphology, Internal Molecular Ordering of Thin Films of Pristine and Blended Semiconducting Polymers       | Synopsis & Panel of examiner was Approved |
| 7. | Ms. Anjana Devi          | Dr. Amarjeet Singh | Structural, Electronic and Optical Properties of Novel Transition Metal Dichalcogenides: An <i>Ab-initio</i> Investigation                       | Synopsis & Panel of examiner was Approved |
| 8. | Mr. Arvind Kumar Chauhan | Dr. Amarjeet Singh | Studies on sodium ion conducting composite polymer electrolytes for                                                                              | Synopsis & Panel of examiner was Approved |

|  |  |  |                  |  |
|--|--|--|------------------|--|
|  |  |  | sodium batteries |  |
|--|--|--|------------------|--|

### Item No. II

To approve the panel of examiners

Panel of examiners for the evaluation of Ph.D. thesis of the following students were considered and approved as per the annexure.

| S.No. | Name of the Candidate    | Title of Synopsis                                                                                                                                | Remarks     |
|-------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1.    | Ms. Anjali               | Study of $\text{Se}_{79-x}\text{Te}_{15}\text{In}_6\text{Pb}_x$ ( $x=0,1,2,4,6,8,10$ ) Nano-crystalline Alloys                                   | Annexure- A |
| 2.    | Ms. Smriti Thakur        | An Investigation of Ground State Properties of Light to Medium Mass Nuclei within the Framework of Relativistic Hartree-Bogoliubov Approximation | Annexure- B |
| 3.    | Mr. Rajesh Thakur        | First Principle Study of 1D Graphene Derivatives                                                                                                 | Annexure- C |
| 4.    | Ms. Tamanna              | Structural, Electronic and Optical Properties of Chalcogenide Nanoclusters: A First Principle Study                                              | Annexure-D  |
| 5.    | Mr. Sunil Kumar          | A study of magnetism in Iron based nanomaterials synthesized from Ferritin                                                                       | Annexure-E  |
| 6.    | Mr. Manoj Kumar          | An Experimental Study of Crystalline Morphology, Internal Molecular Ordering of Thin Films of Pristine and Blended Semiconducting Polymers       | Annexure-F  |
| 7.    | Ms. Anjana Devi          | Structural, Electronic and Optical Properties of Novel Transition Metal Dichalcogenides: An <i>Ab-initio</i> Investigation                       | Annexure-G  |
| 8.    | Mr. Arvind Kumar Chauhan | Studies on sodium ion conducting composite polymer electrolytes for sodium batteries                                                             | Annexure-H  |

Dr. Anjali, 20/05/2020, [Signature] [Signature] [Signature]

The meeting ended with a vote of thanks to the Chair.

(Meeting of RDE on 6/10/2020)

Note Synopsis approved only after production of Two Research papers in the selected Journals at the time of Pre-<sup>sd</sup> PhD presentation

(Prof. R.K. Moudgil)  
(Expert Member)

(Prof. S.K. Tripathi)  
(Expert Member)

(Prof. Mahavir Singh)  
(Member)

(Prof. Shashi K Dhiman)  
(Member)

(Prof. N.S. Negi)  
(Member)

(Prof. Nagesh Thakur)  
(Member)

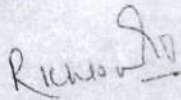
(Prof. Raman Sharma)  
(Member)

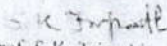
(Prof. Vir Singh Rangra)  
(Chairman, Dept. of Physics)

(Prof. Arvind Kalia) 6/10/2020  
Dean Faculty of Physical Sciences

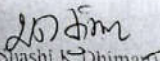
Meeting of RDC dated 6/10/2020 at 10.30 AM

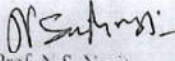
The meeting ended with a vote of thanks to the Chair.

  
(Prof. R.K. Moudgil)  
(Expert Member)

  
(Prof. S.K. Tripathi)  
(Expert Member)

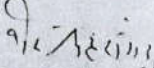
(Prof. Mahavir Singh)  
(Member)

  
(Prof. Shashi K. Dhiman)  
(Member)

  
(Prof. N.S. Negi)  
(Member)

  
(Prof. Nagesh Thakur)  
(Member)

(Prof. Raman Sharma)  
(Member)

  
(Prof. Vir Singh Ramra)  
(Chairman, Dept. of Physics)

(Prof. Arvind Kalia)  
Dean Faculty of Physical Sciences

3.4.1

Himachal Pradesh University, Summer-Hill, Shimla-5.  
(NAAC Accredited "A" Grade University)  
Academic Branch,  
\*\*\*

No. 13-04 (2K12)-HPU (Acad)

Dated: Shimla-5, the

20-8-2020

9 AUG 2020

Notification

In exercise of powers vested in him under Ordinance 16.7 (iii) of the First Ordinance of the Himachal Pradesh University as amended from time to time the Hon'ble Vice-Chancellor has been pleased to constitute the Research Degree Committee in the subject of Public Administration for Ph. D with immediate effect as under:

- (i) Dean Faculty of Social Science,  
H P University, Shimla-5.
- (ii) Chairman and Professors of the  
Department of Public-Administration,  
H P U. Shimla-5.
- (iii) Upto three experts nominated by the  
Hon'ble Vice-Chancellor for a period of two years.
1. Prof. Ajmer Singh Malik,  
Department of Public Administration,  
Kurukshetra University, Kurukshetra.
2. Prof. Raj Vansh  
Department of Public Administration,  
Panjabi University, Patiala (Pb)
3. Prof. Anil Monga,  
Centre for Emerging Studies, Department of  
Public Administration, PU, Chandigarh.
- (iv) Supervisor of the candidate concerned.

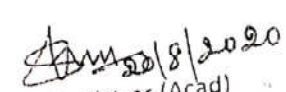
Chairman

Member (s)

Member

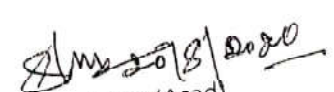
Member

Member

  
Assistant Registrar (Acad)  
H.P. University, Shimla-5.  
Dated: 9 AUG 2020

Endst. No. Even.  
Copy forwarded for information and necessary action to:-

1. All the concerned members as mentioned above.
2. The Dean of Studies, H.P. University, Shimla-5
3. The Deputy Registrar (Secy.), HPU, Shimla-5.
4. The SPS to the Vice-Chancellor/Registrar, HPU, Shimla-5.
5. Guard file.

  
Assistant Registrar (Acad)

**M. Phil Syllabus in Public Administration w.e.f. 2010-11 session**  
**The M. Phil course will be one year duration divided into two semester caring total 300 marks.**

**Semester-I**

| Course No-I | Name of the Paper                  | Marks |
|-------------|------------------------------------|-------|
| 1           | (i) Advanced Public Administration | 75    |
|             | (ii) Seminar                       | 25    |
| 2.          | (i) Advanced Research Methods      | 75    |
|             | (ii) Book Review                   | 25    |

**Note:**

1. Theory Paper: For regular students each theory paper will be of 75 marks and duration of each paper will be 3 hours. In each theory paper 10 Questions are to be set and candidate has to attempt only 5 questions. All Questions will carry equal marks.
2. Two seminars and one book review will be valued by the Department teachers/staff council

**Seminar-II**

|                 |     |
|-----------------|-----|
| 3. Dissertation | 100 |
|-----------------|-----|

The division of 100 marks will be as given below:

|                             |     |
|-----------------------------|-----|
| (i) Dissertation writing    | 75  |
| (ii) Dissertation viva-voce | 25  |
| Total                       | 100 |

**M. PHIL I<sup>st</sup> SEMESTER COURSE NO -I (I)**

**ADVANCE PUBLIC ADMINISTRATION**

- 1 Sustainable Development: Definition, features, concept & Principles, Challenges to Sustainable Development. Concept of Inclusive Development.
- 2 Good Governance: Definition, elements, Indicators Characteristics, Reforms for good governance, Bureaucracy & good governance in Indian context. Globalization and good governance.
- 3 E-Governance and & E. Governance, E-governance initiative at centre and state level E-governance as a tool of good governance.
- 4 Administrative Culture: Definition, Characteristics & functions. Administrative Culture and Bureaucratic. Hazards in Administrative Culture.
- 5 **Ethics in Public Administration; Ethical concerns in Public Administration, Role of Ethics in Administration, Challenging Corruption in Indian Public Services, Right to Information Act. 2005.**
- 6 Administrative Reforms & Reorganization of Public Administrative in India. Second Administrative Reform Commission & its Recommendations.
- 7 Ethics in Public Administration: Ethical concerns in Public Administration, role of Ethics in Administration in Challenging Corruption in Indian Public Services, Right to Information Act. 2005
- 8 Administrative Reform & Reorganization of Public Administrative in India. Second Administrative Reform Commission & its Recommendations.
- 9 Disaster Management Prevention, Preparedness and Mitigation. Disaster Preparedness: Role and Responsibilities of Central, State, District and Local Administration in Disaster Management. Disaster Management Act. 2005.
- 10 New Public Administration-Characteristics, Elements, Goals of New Public Management, Public Choice Approach & New Taylorism, Impact of Globalization on Public Administration.

**Bibliography:**

1. Alka Dhameja: Contemporary Debates in Public Administration.
2. C.P. Bharwal & Kumkum Kishore: Public Administration in India Current Perspective, A.P.H. Publishing Corporation.
3. R.B. Jain: Globalization & good governance pressure for constructive reforms.
4. Indian Journal of Public Administration: Special Issue of IInd Administrative Reform Commission, IIPA, Nov. 2007.

5. S.L. Goel: Advanced Public Administration, Deep & Deep Publications Pvt. Ltd. New Delhi.
6. B.H. Jajoo: Nirnay, special issue on E-governance Sardar Patel Institute of Public Administration, Ahmedabad.
7. E-Governance Compendiums, 2007 of Information Technology Govt. Of Madhya Pradesh.
8. M.P. Gupta, Prabhat K, Jaijit Bhattacharya: Government online, Tata Mc Graw Hill Publishing Company Limited, New Delhi, 2004.
9. E-Vayunandan, Dolly Mathew: Good Governance initiatives in India, Prentice Hall of India Pvt. Ltd. New Delhi, 2003.
10. S.L. Goel: Right to Information and Good Governance Deep & Deep Publication Pvt. Ltd. New Delhi, 2007
11. M. G. Ramakant Rao: Good Governance Modern Global and Regional perspective Kanishka Publishers & Distributors New Delhi, 2008
12. R.B. Jain: Public Administration in India, 21<sup>st</sup> Century Challenges for Good Governance, Deep & Deep Publications, New Delhi, 2001.
13. S.L. Goel: Encyclopedia of Disaster Management.
14. W. Nick Carter: Disaster Management-A Disaster Manager's Handbook.

### Advanced Research Methods

#### Course No-II

- 1 Science, Assumption of Science and Scientific Methodology, Rationale of Scientific Research.
- 2 Meaning, Nature and Ethical concern in Social Science Research.
- 3 Research: Basic Elements of Research, Research Problem, Concept and objectives, Types of Research, Quantitative & Qualitative Research.
- 4 Research Design: Basic Research Design Applied Research Design and Evaluative Research Design.
- 5 Hypothesis formulation and Hypothesis testing.
- 6 Sampling and Sampling Design.
- 7 Methods of Data Collection (Observation, Interview, Questionnaire).
- 8 Data Processing, analysis and interpretation.
- 9 Report and Thesis Writing.
- 10 Survey of Research in Public Administration in India.

#### Selected Readings:

1. V.A. Pai Panandikar (Ed.): A Survey of Research in Public Administration 1980-90, Delhi, Konark Publishers Pvt. Ltd. 1997
2. Johan W. Creswell: Research Design Qualitative & Qualitative Approaches, London, Sage Publications, 1990.
3. Kuldeep Mathur (Ed.): Survey of Research in Public Administration 1970-79, New Delhi, Concept Publishers, 1986.
4. Kalpan Abraham: The Conduct of Equiry Chandler, 1960.
5. Young PV: Scientific Social Survey and Research New York, Prentice Hall, 1960.
6. S. Eckhardt, K.V. and E Lrmann M. David: Social Research Methods, Random House, New York, 1997.
7. W.J. Goode and P.K. Hatte: Methods in Social Research, New York, Mc Graw Hill, Internal Edition, 1931.
8. B. N. Ghosh: Scientific Methods and Social Research New Delhi, Sterling Public Pvt. Ltd.
9. M.H. Gopal: An Introduction to Researcdh Procedure in Social Sciences, Asia Publishing House, Delhi, 1970.
10. Moser C.S: Survey Methods in in Social Investigation Heinemann, 1961.
11. Lokesh Kaul: Research Methodology of Educational Research, Vikas Publication, New Delhi, 2008.
12. Professor R.K.: Public Administration Reserch Survey & Trends Arun Publishers 2005, Chandigarh.

### Semester-II Course No- III Dissertation

The Division of 100 marks will be as given below:

|      |                        |           |
|------|------------------------|-----------|
| (i)  | Dissertation Writing   | 75 marks  |
| (ii) | Dissertation Viva-voce | 25 marks  |
|      | Total                  | 100 marks |

Himachal Pradesh University  
(NAAC Accredited "A" Grade University)  
Academic Branch, Summer-Hill, Shimla - 5.

No. 13-01 (2K17)-HPU (Acad)

Dated: Shimla-5, the 11<sup>th</sup> AUG 2020

Notification

In exercise of powers vested in him under Ordinance 16.7 (iii) of the First Ordinance of the Himachal Pradesh University as amended from time to time the Hon'ble Vice-Chancellor has been pleased to constitute the Research Degree Committee in the subject of Commerce for Ph. D with immediate effect as under:

- |       |                                                                                                           |            |
|-------|-----------------------------------------------------------------------------------------------------------|------------|
| (i)   | Dean, Faculty of Commerce and Management, H.P. University, Shimla-5.                                      | Chairman   |
| (ii)  | Chairman and Professors of the Department of Commerce H.P.U. Shimla-5.                                    | Member (s) |
| (iii) | Upto three experts nominated by the Hon'ble Vice-Chancellor for a period of two years                     |            |
| 1.    | Prof. G.C. Maheshwari ,<br>Department of Commerce and Management,<br>Technological University, New Delhi. | Member     |
| 2.    | Prof. M.C. Garg,<br>Haryana Business School,<br>Guru Jameshwar University, Hissar.                        | Member     |
| 3.    | Prof. Neelima Dhanda<br>Department of Commerce and Management,<br>Kurukshetra University, Kurukshetra.    | Member     |
| (iv)  | Supervisor of the candidate concerned.                                                                    |            |

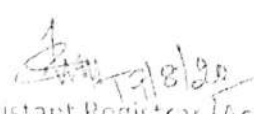
  
Assistant Registrar (Acad)  
H.P. University, Shimla-5.

Dated: 11<sup>th</sup> AUG 2020

Enclst. No. Even.

Copy forwarded for information and necessary action to:-

1. All the concerned members as mentioned above.
2. The Dean of Studies, H.P. University, Shimla-5
3. The Deputy Registrar (Secy.), HPU, Shimla-5.
4. The SPS to the Vice-Chancellor/Registrar, HPU, Shimla-5.
5. Guard file.

  
Assistant Registrar (Acad)

**SCHEME AND COURSES OF READING FOR MASTER OF PHILOSOPHY, COMMERCE (M.Phil)**  
**W.E.F 2017-18**

**COURSE STRUCTURE**

There will be Eight Questions in All. The Candidate has to attempt four questions in all, selecting one question from each unit. The question paper will have four Units. The paper setter is required to set two questions from each unit. Each Question shall carry 25 Marks.

**Unit-I RESEARCH METHODOLOGY**

There will be Eight Questions in All. The Candidate has to attempt four questions in all, selecting one question from each unit. The question paper will have four Units. The paper setter is required to set two questions from each unit. Each Question shall carry 25 Marks..

**Max. Marks 100**

Mini. Pass Marks 45

Time allowed 3 Hrs.

The objective of this course is to make the students conversant with the basic ingredients of Research Methodology, so as to enable them to formulate the research problems and plan a survey to investigate into different dimensions of the problems.

**Unit I: Introduction of Research:** Meaning, characteristics, objectives, nature, scope, significance, limitations, role of research in decisions making, types, criteria of good research and ethics in research; The research process -- steps in research process; Defining the research problem—problem defining process, consideration in selecting a research problem; Research design—definition. Types, components and significance. Review of literature—objectives, significance, planning literature review strategy, literature resources available, quality of sources.

Research Design; Need for Research Design; Features of Good Design; Different- Research Design.

**Unit II: Data collection and processing:** Primary data – types of primary data collection methods survey, observation, case study and Questionnaire—types, guidelines for preparing questionnaire, steps in designing the questionnaire, essential of good questionnaire and difference between schedule and questionnaire; secondary data-- advantages, disadvantages, criteria for evaluating secondary data, secondary in Indian context; Processing and presentation of data—editing, coding, classification, tabulation, and presentation by way of diagrams and graph. Sampling methods – probability and non-probability, determination of sample size, sampling errors and non-sampling errors.

**Unit III: Concept of attitude, measurement and scaling:** Types of scales- nominal, ordinal, interval and ratio scales, various types of scaling techniques, criteria of good measurement. Univariate and Bivariate data analysis and interpretation. Meaning of Interpretation, Techniques of Interpretation. Hypothesis – meaning, characteristic, sources, hypothesis testing procedure. Type-I and Type- II errors, Application of mean, dispersion, skewness, kurtosis. Correlation and regression in research; Application of Parametric and non-parametric tests in research.

**Unit IV: Multivariate Analysis and Report Writing:** Multiple regression analysis; Factor analysis; Discriminate analysis; Conjoint analysis; Cluster analysis; Report writing—importance, quality of good report, types of reports, format of report, references, bibliography; Ethic and related issues in research and plagiarism.

## References

1. Kothari, C.R. & Garg, Gaurav (2014), Research Methodology: Methods and Techniques, New Age International (P) Ltd, New Delhi.
2. Bridget Somekh & Cathy Lewin (2005), Research Methods in Social Sciences, Sage Publications, New Delhi.
3. Uwe Flick (2011), Introducing Research Methodology- A Beginner's Guide in Doing a Research Project, Sage Publications Ltd., New Delhi
4. George Argyrous (2012), Statistics for Research with a Guide to SPSS, Sage Publications Ltd., New Delhi.
5. Y K Singh and R B Bajpai (2013), Research Methodology: Techniques and Trends, Aph Publishing Corporation, New Delhi ---- Proposal that works by Lawrence F Loche, Sage publication India Pvt. Ltd., New Delhi.
6. M.LA Style sheet.
7. Thesis and Assignment writing
8. Research Model for measurement by David and Andrich, sage publication India Pvt. Ltd. New Delhi.
9. Techniques of Attitude scale construction by Allen L. Edward, Vakils Feffer and Simons Pvt. Ltd. Bombay.
10. Psychological testing by Annastase.

HIMACHAL PRADESH UNIVERSITY, SHIMLA-171005

FACULTY OF PHYSICAL SCIENCES



REVISED SYLLABI

FOR Ph. D. CHEMISTRY COURSE WORK

(SEMESTER SYSTEM)

(SESSION 2019-20 AND ONWARDS)

HIMACHAL PRADESH UNIVERSITY  
DEPARTMENT OF CHEMISTRY, SHIMLA-171005  
INDIA

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Annexure-“C”A Detailed Scheme and Course Contents of the Syllabi for PhD . Chemistry Spread Over two Semesters (I-II)  
For Session 2019-20 and Onwards

| <b><u>SEMESTER-I</u></b>                                                                                                                                                                                                                                                                            |                                                                                                                  |                   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------|--|
| Each candidate has to study three papers in first semester. Paper I (Research Methodology) is compulsory paper and two papers (optional Paper-II and III) from the respective specialization i.e. Inorganic Chemistry, or Organic Chemistry or Physical Chemistry. Each paper will be of 100 marks. |                                                                                                                  |                   |  |
| <b>Paper No.</b>                                                                                                                                                                                                                                                                                    | <b>Title</b>                                                                                                     | <b>Max. Marks</b> |  |
| <b>Paper I</b>                                                                                                                                                                                                                                                                                      | <b>Research Methodology</b><br><b>Compulsory for all specialization )</b>                                        | <b>100</b>        |  |
|                                                                                                                                                                                                                                                                                                     | <b><u>Inorganic Chemistry</u></b>                                                                                |                   |  |
| Paper -II                                                                                                                                                                                                                                                                                           | Inorganic Chemistry (Advanced Inorganic Chemistry)                                                               | 100               |  |
| Paper -III                                                                                                                                                                                                                                                                                          | Inorganic Chemistry (Inorganic and Supramolecular Chemistry)                                                     | 100               |  |
| <b><u>Organic Chemistry</u></b>                                                                                                                                                                                                                                                                     |                                                                                                                  |                   |  |
| Paper -II                                                                                                                                                                                                                                                                                           | Organic Chemistry (Organic Synthesis)                                                                            | 100               |  |
| Paper -III                                                                                                                                                                                                                                                                                          | Organic Chemistry (Polymer Chemistry)                                                                            | 100               |  |
| <b><u>Physical Chemistry</u></b>                                                                                                                                                                                                                                                                    |                                                                                                                  |                   |  |
| Paper -II                                                                                                                                                                                                                                                                                           | Physical Chemistry (Kinetics of Fast Reactions and Advanced Electrochemistry)                                    | 100               |  |
| Paper -III                                                                                                                                                                                                                                                                                          | Physical Chemistry (Non-Equilibrium Physical Chemistry and Theoretical and Applied Aspects of Surfactant System) | 100               |  |
|                                                                                                                                                                                                                                                                                                     |                                                                                                                  |                   |  |

**Semester 1**  
**M.Phil. Chemistry**  
**Paper-I (Research Methodology)**

Lectures: 60  
 Max. Marks: 100

*Note: Examiner will set 10 questions, two from each section and the candidates will be required to attempt five questions in all selecting at least one question from each section. All questions will carry equal marks.*

**Section A**

**Research Methodology:** Types and methods of research, classification of research, pure and applied research, exploring or formulative research, descriptive research, diagnostic research/study, Evaluation of research/study, action research, and experimental research-problem selection. Meaning, Scope, Primary sources of literature survey, Journals, patents etc., secondary sources of literature survey, Books, Reference books, Text books, listing of letters.

**Section B**

**Scientific Writing :** Scientific Document; Organization and writing of research paper, short communications, review articles, monographs, technical and survey reports, authored books, and edited books and dissertation. Abstracts and Journals in chemistry, Electronic forms of Journals, major libraries, subscribing Journals related to chemistry in the region and country and Patents writing.

**Section C**

**Concepts of chemical safety:** Chemical safety and ethical handling of chemicals, safe working procedure and protective environment, emergency procedure and first aid, laboratory ventilation, safe storage and use of hazardous chemicals, procedure for working with substances that pose hazards, flammable or explosive hazards, procedures for working with gases at pressures above or below atmosphere, safe storage and disposal of waste chemicals, recovery, recycling and reuse of laboratory chemicals.

**Section D**

**Research ethics:** Ethical issues, copy right, royalty, intellectual property rights, citation and acknowledgement. Reproducibility. Safety rules of laboratory acquaintance of experimental set up, importance of safety and security of data. Review of published research in the relevant field, training, field work.

**Section E**

**Computer applications in research:** Application and uses of common softwares in chemistry- origin, chemsketch, chemdraw, basic ideas on the use of internet in chemistry education.

**Reference Books:**

- 1 William Kemp, Organic Spectroscopy, ELBS London, 1987.
- 2 RM Silverstein, CG Bassler and TC Morrill, Spectroscopic Identification of Organic Compounds, 4th Edition, John Wiley & Sons, New York, 1981.
- 3 Donald L Pavia, Gary M Lampman and George S Kriz, Introduction to Spectroscopy, 3rd Edition, Saunders Golden Sunburst Series.
- 4 CN Banwell and Elaine M McCash, Fundamentals of Molecular Spectroscopy, 4th Edition.
- 5 Raymond Chang, Basic Principles of Spectroscopy, RE Krieger Publishing Co., Huntington, New York, 1978.
- 6 Paul D Leedy, Jeanne E Ormrod and Jeanne Ellis Ormrod, Practical Research: Planning and Design, Prentice Hall, 2004.
- 7 Robert V Smith, Graduate Research: A Guide for Students in the Sciences, University of Washington Press, 1998.
- 8 Anthony M Graziano and Michael L Rau, Research Methods: A Process of Inquiry, Prentice Hall, 2006.
- 9 Peter C Jurs, Computer Software Applications in Chemistry, 2nd Ed., John Wiley & Sons, New York, 1996.
- 10 Practical Skills in Chemistry, J. R. Dean, A. M. Jones, D. Holmes, R. Reed, J. Weyers and A Jones, Pearson Education Ltd. [ Prentice Hall] (2002)
11. Research Methodology. Methods and Techniques : C. R. Kothari,

HIMACHAL PRADESH UNIVERSITY, SHIMLA-171005

FACULTY OF PHYSICAL SCIENCES



REVISED SYLLABI

FOR M. Phil. CHEMISTRY COURSE WORK

(SEMESTER SYSTEM)  
(SESSION 2019-20 AND ONWARDS)

HIMACHAL PRADESH UNIVERSITY  
DEPARTMENT OF CHEMISTRY, SHIMLA-171005  
INDIA

**Annexure-“B”****A Detailed Scheme and Course Contents of the Syllabi for M.Phil. Chemistry Spread Over two Semesters (I-II) For Session 2019-20 and Onwards**

| <b><u>SEMESTER-I</u></b>                                                                                                                                                                                                                                                                      |                                                                                                                  |                   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------|--|
| Each candidate has to study three papers in first semester. Paper I (Research Methodology) is compulsory and two papers (optional Paper-II and III) from the respective specialization i.e. Inorganic Chemistry, or Organic Chemistry or Physical Chemistry. Each paper will be of 100 marks. |                                                                                                                  |                   |  |
| <b>Paper No.</b>                                                                                                                                                                                                                                                                              | <b>Title</b>                                                                                                     | <b>Max. Marks</b> |  |
| Paper I                                                                                                                                                                                                                                                                                       | Research Methodology<br>(Compulsory for all specialization )                                                     | 100               |  |
|                                                                                                                                                                                                                                                                                               | <b><u>Inorganic Chemistry</u></b>                                                                                |                   |  |
| Paper -II                                                                                                                                                                                                                                                                                     | Inorganic Chemistry (Advanced Inorganic Chemistry)                                                               | 100               |  |
| Paper -III                                                                                                                                                                                                                                                                                    | Inorganic Chemistry (Inorganic and Supramolecular Chemistry)                                                     | 100               |  |
|                                                                                                                                                                                                                                                                                               | <b><u>Organic Chemistry</u></b>                                                                                  |                   |  |
| Paper -II                                                                                                                                                                                                                                                                                     | Organic Chemistry (Organic Synthesis)                                                                            | 100               |  |
| Paper -III                                                                                                                                                                                                                                                                                    | Organic Chemistry (Polymer Chemistry)                                                                            | 100               |  |
|                                                                                                                                                                                                                                                                                               | <b><u>Physical Chemistry</u></b>                                                                                 |                   |  |
| Paper -II                                                                                                                                                                                                                                                                                     | Physical Chemistry (Kinetics of Fast Reactions and Advanced Electrochemistry)                                    | 100               |  |
| Paper -III                                                                                                                                                                                                                                                                                    | Physical Chemistry (Non-Equilibrium Physical Chemistry and Theoretical and Applied Aspects of Surfactant System) | 100               |  |
| <b><u>SEMESTER-II</u></b>                                                                                                                                                                                                                                                                     |                                                                                                                  |                   |  |
|                                                                                                                                                                                                                                                                                               | Dissertation and Viva-voce examination:                                                                          |                   |  |
|                                                                                                                                                                                                                                                                                               | Maximum marks for the evaluation of Dissertation (s)                                                             |                   |  |
|                                                                                                                                                                                                                                                                                               | and viva-voce are as follows:                                                                                    |                   |  |
|                                                                                                                                                                                                                                                                                               | 1. Maximum marks for evaluation of dissertation                                                                  | 75                |  |
|                                                                                                                                                                                                                                                                                               | 2. Maximum marks for viva-voce of dissertation                                                                   | 25                |  |
|                                                                                                                                                                                                                                                                                               | Minimum pass marks for evaluation of dissertation (s) and viva-voce separately                                   | 50%               |  |

**Semester I**  
**M.Phil. Chemistry**  
**Paper-I (Research Methodology)**

Lectures: 60  
 Max. Marks: 100

*Note: Examiner will set 10 questions, two from each section and the candidates will be required to attempt five questions in all selecting at least one question from each section. All questions will carry equal marks.*

**Section A**

**Research Methodology:** Types and methods of research, classification of research, pure and applied research, exploring or formulative research, descriptive research, diagnostic research/study, Evaluation of research/study, action research, and experimental research-problem selection. Meaning, Scope, Primary sources of literature survey, Journals, patents etc., secondary sources of literature survey, Books, Reference books, Text books, listing of letters.

**Section B**

**Scientific Writing :** Scientific Document; Organization and writing of research paper, short communications, review articles, monographs, technical and survey reports, authored books, and edited books and dissertation. Abstracts and Journals in chemistry, Electronic forms of Journals, major libraries, subscribing Journals related to chemistry in the region and country and Patents and Patents writing.

**Section C**

**Concepts of chemical safety:** Chemical safety and ethical handling of chemicals, safe working procedure and protective environment, emergency procedure and first aid, laboratory ventilation, safe storage and use of hazardous chemicals, procedure for working with substances that pose hazards, flammable or explosive hazards, procedures for working with gases at pressures above or below atmosphere, safe storage and disposal of waste chemicals, recovery, recycling and reuse of laboratory chemicals.

**Section D**

**Research ethics:** Ethical issues, copy right, royalty, intellectual property rights, citation and acknowledgement. Reproducibility. Safety rules of laboratory acquaintance of experimental set up, importance of safety and security of data. Review of published research in the relevant field, training, field work.

**Section E**

**Computer applications in research:** Application and uses of common softwares in chemistry-origin, chemsketch, chemdraw, basic ideas on the use of internet in chemistry education.

**Reference Books:**

- 1 William Kemp, Organic Spectroscopy, ELBS London, 1987.
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- 3 Donald L Pavia, Gary M Lampman and George S Kriz, Introduction to Spectroscopy, 3 rd Edition, Saunders Golden Sunburst Series.
- 4 CN Banwell and Elaine M McCash, Fundamentals of Molecular Spectroscopy, 4th Edition.
- 5 Raymond Chang, Basic Principles of Spectroscopy, RE Krieger Publishing Co., Huntington, New York, 1978.
- 6 Paul D Leedy, Jeanne E Ormrod and Jeanne Ellis Ormrod, Practical Research: Planning and Design, Prentice Hall, 2004.
- 7 Robert V Smith, Graduate Research: A Guide for Students in the Sciences, University of Washington Press, 1998.
- 8 Anthony M Graziano and Michael L Rau, Research Methods: A Process of Inquiry, Prentice Hall, 2006.
- 9 Peter C Jurs, Computer Software Applications in Chemistry, 2nd Ed., John Wiley & Sons, New York, 1996.
- 10 Practical Skills in Chemistry, J. R. Dean, A. M. Jones, D. Holmes, R. Reed, J. Weyers and A. Jones, Pearson Education Ltd. [ Prentice Hall] (2002)
11. Research Methodology. Methods and Techniques : C. R. Kothari,



Department of Chemistry, H.P. University, Summer Hill, Shimla-171005  
(NAAC Accredited 'A' Grade University)

No.:CHEM/HPU/2020/-

Dated: 24.10.2020

### NOTICE

An Ethics Committee consisting of the following members has been constituted w.e.f. 24.10.2020 onwards for a period of two years in the Department of Chemistry, Himachal Pradesh University, Summer Hill, Shimla-171005:

| Sr. No. | Name of faculty member | Designation | Mobile No.  |
|---------|------------------------|-------------|-------------|
| 1.      | Dr. D.K. Sharma        | Professor   | 94180-19301 |
| 2.      | Dr. Suvarcha Chauhan   | Professor   | 94180-01803 |
| 3.      | Dr. Baljit Singh       | Professor   | 94181-10038 |

*Baljit Singh*  
Chairperson  
Department of Chemistry  
H.P.U. Summer Hill Shimla - 171005

Copy for information and necessary action to:

- (1) All the concerned.
- (2) Notice Board/Guard File.

*Baljit Singh*  
Chairperson  
Department of Chemistry  
H.P.U. Summer Hill Shimla - 171005

Himachal Pradesh University  
(NAAC Accredited "A" Grade University)  
Academic Branch, Summer-Hill, Shimla - 5.  
\*\*\*

No. 13-04 (2K12)-HPU (Acad)

Dated: 17 OCT 2019

Notification

In exercise of powers vested in him under Ordinance 16.7 (iii) of the First Ordinance of the Himachal Pradesh University as amended from time to time the Hon'ble Vice-Chancellor has been pleased to constitute the Research Degree Committee in the subject of Chemistry for Ph.D with immediate effect as under:

- |                                                                                                        |            |
|--------------------------------------------------------------------------------------------------------|------------|
| (i) Dean Faculty of Physical Sciences,<br>H.P. University, Shimla-5.                                   | Chairman   |
| (ii) Chairman and Professors of the<br>Department of Chemistry, H.P.U. Shimla-5.                       | Member (s) |
| (iii) Upto three experts nominated by the<br>Hon'ble Vice-Chancellor for a period of two years.        |            |
| 1. Prof. R.C. Kamboj,<br>Department of Chemistry,<br>Kurukshetra University, Kurukshetra<br>(Haryana). | Member     |
| 2. Prof. Kiran Singh,<br>Department of Chemistry,<br>Kurukshetra University, Kurukshetra               | Member     |
| 3. Prof. R.K. Mahajan<br>Department of Chemistry,<br>GNDU, Amritsar, (Punjab).                         | Member     |
| (iv) Supervisor of the candidate concerned.                                                            |            |

Endst. No. Even

Copy forwarded for information and necessary action to:-

1. All the concerned members as mentioned above.
2. The Dean of Studies, H.P. University, Shimla-5
3. The Deputy Registrar (Secy.), HPU, Shimla-5.
4. The SPS to the Vice-Chancellor/Registrar, HPU, Shimla-5.
5. Guard file.

*aychadh*  
17.10.19  
Assistant Registrar(Acad)  
H.P. University, Shimla-5.  
Dated: 17 OCT 2019

*aychadh*  
17.10.19  
Assistant Registrar(Acad)

Himachal Pradesh University  
(NAAC Accredited "A" Grade University)  
Academic Branch, Summer-Hill, Shimla-5.  
\*\*\*

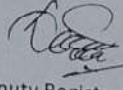
No. 13-04 (2K12)-HPU (Acad)

Dated: 11 NOV 2021

Notification

In exercise of powers vested in him under Ordinance 16.7 (iii) of the First Ordinances of Himachal Pradesh University as amended from time to time the Vice-Chancellor is pleased to constitute the Research Degree Committee in the subject of Chemistry for Ph.D with immediate effect as under:

- |                                                                                                            |            |
|------------------------------------------------------------------------------------------------------------|------------|
| (i) Dean Faculty of Physical Sciences<br>H.P. University, Shimla-5.                                        | Chairman   |
| (ii) Chairman and Professors of the<br>Department of Chemistry, H.P.U. Shimla-5.                           | Member (s) |
| (iii) Upto three experts nominated by the<br>Vice-Chancellor for a period of two years.                    |            |
| (1) Prof. Paramjeet Kaur<br>Department of Chemistry<br>Guru Nanak Dev University,<br>Amritsar Punjab.      | Member     |
| (2) Prof. S.S. Chinnai<br>Department of Chemistry<br>Guru Nanak Dev University,<br>Amritsar Punjab-143005. | Member     |
| (3) Prof. Sanjeev Arora,<br>Department of Chemistry<br>Kurukshetra University,<br>Kurukshetra, Haryana.    | Member     |
| (iv) Supervisor of the candidate concerned.                                                                |            |

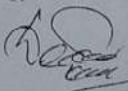
  
Deputy Registrar (Acad)  
H.P. University, Shimla-5.

Dated: 11 NOV 2021

Endst. No. Even

Copy forwarded for information and necessary action to:-

1. All the concerned members as mentioned above.
2. The Dean of Studies, H.P. University, Shimla-171005
3. The Deputy Registrar (Secy.), HPU, Shimla-171005.
4. The SPS to the Vice-Chancellor/Registrar, HPU, Shimla-171005.
5. Guard file.

  
Deputy Registrar (Acad)

File Plg  
@fouhan  
16.11.2021

### **Course-A (Compulsory)**

#### **Research Methodology for Mathematical Sciences**

**Time Allotted: 3 Hours.**

**Maximum Marks: 70**

**Minimum pass marks: 35**

**NOTE:** Eight questions, each of 14 marks, will be set in the question paper and the candidate shall be required to attempt any five questions

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Research: Definition, Concepts and General introduction, Different approaches to research, Basic, Applied, Interdisciplinary, Multidisciplinary research.

Hypothesis, Theories, Laws, Mathematics & Science.

Scientific Methods: Examples of the scientific methods. The role of computers in scientific process, and use of computers in obtaining proofs of mathematical results.

Problem Posing: The soul of research methodology. The art of solving problems, Polya's scheme for solving problems. General methods for solving problems.

Research Tools: Introduction to Type-Settings, MS-Office, Scientific work place, Latex. Introduction to MATHEMATICA, MATLAB, SCI LAB. Knowledge of online e-resources, online and open access journals, Math. Sci. Net., Zentralblatt Math, Scopus, JSTOR, Google Scholar, Research Gate, Concept of citation index, impact factor, H-index.

Scientific Writing: Writing a paper for conference and journals. Communicating research. Obtaining offprints of papers. Preparing M.Phil. Dissertation and Ph.D Thesis.

Ethics and responsibility in scientific research: Ethics, Western and Eastern perspective on the source of Ethics, Rights and Permissions.

#### **Recommended Text Books:**

1. Research Methodology: The aims Practices and Ethics of Science, Peter Pruzen, Springer, (2016). Chapter: 2; (2.8), Chapters: 3, 9 & 10.
2. Research Methodology for scientist and Engineers, J. N. Kapur, Mathematical Science Trust Society, (1997). Chapters 2, 3, 6, 7 & 12.
3. How to write and publish a scientific paper, Robert A. Day, Cambridge University Press Fourth Edition (1996). Chapters 1,2,3, 20, 23& 26.

HIMACHAL PRADESH UNIVERSITY  
'General Administration Section'  
\*\*\*

No. 3-5/78-HPU(Genl.) Vol.

Dated: 10-09-2018

**NOTIFICATION**

The Vice-Chancellor is pleased to adopt the University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 as issued by the Secretary, UGC vide D.O. No. F.No.1-18/2010(CPP-II) dated 06-08-2018 (copy enclosed) for its implementation in the University.

  
**REGISTRAR**

Dated: 10-09-2018

Endst: No even

Copy to:-

1. The Secretary, University Grants Commission Bahadurshah Zafar Marg, New Delhi-110002.
2. The Secretary to Governor(Chancellor), H.P. Raj Bhawan, Shimla-2
3. The Principal Secretary(Hr. Edu.), to the Govt. of H.P., Shimla-2
4. The Chairman/Secretary, H.P. Public Service Commission, Shimla-2
5. The Director of Higher Education/Additional Director (Sanskrit Colleges), H.P. Shimla-1.
6. The Director, Technical Education, Sundernagar, Distt. Mandi, HP
7. The Dean of Studies/D.S.W./ Chief Warden/Dean, CDC/Teachers Matters/ All the Deans of the Faculties, HPU, Shimla-5
8. The COE/FO/Dy. Controller, LAD/IAO, HPU, Shimla-5
9. The Director ICDEOL / Phy.Edu. / HRDC/IIHS/AERC/ PRC/ IMS/ DIS(IIHS)/ PECC/ UIIT/UCBS/ UILS/ Principal, HPUCES/HPU Regional Centre, Dharamshala, Distt Kangra, HP.
10. All the Chairpersons/Directors of Teaching Department, HPU, Shimla
11. All the Principals of the Colleges affiliated to/associated with/maintained by the H.P. University.
12. The Deputy Registrar (Acad.)/(Estt.)/(Rectt.), HPU, Shimla-5
13. SPS to Vice-Chancellor/ PA to Registrar, HPU, Shimla-5
14. The Guard File.

  
**REGISTRAR**