

Guidelines for the Preparation of Synopsis and Thesis / Dissertation

For Post Graduate Students



**Bihar Animal Sciences University, Patna
2020**

Guidelines for the Preparation of Synopsis and Thesis / Dissertation

Every Post Graduate Student shall be assigned a Major Advisor by the concerned Head of the Department keeping in view the recommendation of the Departmental Academic Affairs / Teaching committee and approved by the DRI-cum-DEAN, Post Graduate Studies within two months of admission. Besides, there shall also be an Advisory Committee for each student to be appointed by the DEAN, Post Graduate Studies, on the recommendations of the advisor, through the Head of the Department. The Advisory Committee of the student shall comprise members chosen from the Post Graduate faculty (interdisciplinary) relevant to the research problem of the student.

The Post Graduate (PG) Student shall prepare a synopsis of the subject of his / her proposed thesis suggested by the Major Advisor and submit six copies of the same to the DEAN, Post Graduate Studies, through the Head of the Department during the second semester. The submission of synopsis shall be preceded by a Synopsis Seminar to be delivered by the PG Student in his / her department to the satisfaction of the advisory committee. Normally, research work will be started after the approval of the synopsis by the DEAN, Post Graduate Studies.

The selection of the PG Research Problem shall, as far as possible, relate to the followings:

- i. Research goals of the Department
- ii. Research needs of Bihar state
- iii. Area of specialization of the Major Advisor
- iv. Student's aptitude / potential

Ensure that conceptualized focused problem-solving original research is carried out. The student should become innovative and creative.

Components of the Synopsis

1. Title

- The title should be given in capital letters. It should be concise and specific, and must reflect the proposed research objectives
- Scientific names in the title, if any, must be written in Latin binomial or trinomial.

2. Introduction and Objectives

- Importance, scope and nature of the work proposed for research should be well presented.
- The hypothesis of the proposed research problem should be identified on the basis of gap(s) in scientific knowledge / literature about the problem.
- Pertinent references may be included in the introduction to show that there is a gap in knowledge / sciences about the proposed research.
- Objectives of the proposed study should be clearly identified and presented. The objectives of the proposed study should not be more than four (4).

3. A brief review of relevant literature

Give orientation to the research being reported by referring to the previous concepts / literature and explain how the proposed research has been built on the basis of past work. Latest and specific references, should be included.

4. Technical program of work

The experiments should be planned in accordance with the objectives listed earlier. The following points should be mentioned under each experiment:

- i. Name of experiment/ research
- ii. Location / place of work
- iii. Research Methodology and Experimental Design
- iv. Statistical analysis (if required)

- Develop feasible Technical Program of work so that Research project can be completed in time.
- Only those observations / analytical techniques should be included for which advisors can ensure the availability of research materials and other facilities like equipment, laboratory and experimental animals.

5. Collaboration with other Departments

The consent of the Head of the Collaborating Department should be taken and nature of the collaboration be specified.

6. References

List all the references in alphabetical order according to the format in Annexure- III. Abbreviate the journals as in CAB Abstract, Biological Abstracts or World List of Scientific Periodicals.

7. Declaration on the use of animals / birds

The declaration on the use of animals / birds should be submitted along with the Synopsis following the approved guidelines by the Committee for the purpose of control and supervision of experiments on animals (CPCSEA) on the norms and practices for regulation of animal **experimentation (Annexure IX)**. Permission of the Institutional Animal Ethics Committee (IAEC) must be obtained prior to the commencement of experiments on animals.

8. Declaration of Anti-Plagiarism

The declaration should be signed by the research scholar and his/her major advisor in the prescribed format (Annexure X).

Approval of the Synopsis

The Synopsis shall be considered by Synopsis Approval Committee of the University under the chairmanship of DEAN, Post Graduate Studies. The decision would be communicated by the DRI-cum-DEAN, Post Graduate Studies to the Major Advisor. Thereafter the research work can be started by the student.

Guidelines for Preparing of Thesis / Dissertation

A PG/ Ph. D. Student may submit his / her thesis / dissertation on any date during the semester after having completed the residential requirement, course requirements and the required number of research credits. The following steps should be followed for the preparation and submission of the thesis / dissertation to the DEAN, Post Graduate Studies.

The colour guideline for outer title page/cover

For Master's thesis/ dissertation: **Light Blue colour**

For Doctoral Thesis/ dissertation: **Maroon Colour**

1. Presentation of thesis / dissertation seminar

Before the submission of the rough draft for the thesis / dissertation to the DEAN, Post Graduate studies, a pre submission thesis seminar should be given by the student presenting all the data with statistical analysis before the advisory committee, other faculty members and Post Graduate Students.

2. Submission of the rough draft of the thesis /dissertation

Draft of the rough thesis / dissertation complete in all respects shall be submitted to the members of the Advisory Committee at least 10 days before its final submission of the thesis to DEAN Post Graduate Studies.

3. Submission of the final thesis / dissertation

The members of the Advisory Committee shall return the draft of the thesis / dissertation along with the suggestions within one week. The Major Advisor should ensure that the suggested changes, if any, have been incorporated.

Certificates I and II {Annexure V (a), V(b) and V (c) along with the abstract (Annexure VI) should be provided to the office of the DRI-cum-DEAN, PGS, BASU.

Six copies of the thesis / dissertation should be submitted to the Head of the Department through the Major Advisor. All the copies of the thesis / dissertation should be submitted to DRI-cum-DEAN, Post Graduate Studies for external evaluation. The valid comments and suggestions of external evaluator should be incorporated in the thesis, in consultation with major advisor. After the oral examination incorporating the suggestions or rectifications of the errors and certificates, six copies of the thesis shall be submitted to the DRI cum DEAN PGS (BASU).

Each student submitting a thesis / dissertation for Master's or Ph.D. degree must also submit six copies of the abstract (not more than one page) separately.

The manuscript of the thesis / dissertation should be as concise as possible (normally, not more than 50-80 pages for Master's thesis, and over 100 pages for Ph.D. thesis/dissertation excluding references).

Components of Thesis / Dissertation

1. Preliminary pages

The preliminary pages must include the title page, the certificates, acknowledgements, abstract, abbreviations and table of contents.

a) Title page

The title page should be printed exactly in accordance with the sample [Annexure IV (a), IV (b) or IV (c)]. The date appearing on the title page must be the year in which the thesis / dissertation is submitted.

b) Certificates

Certificates of completion of work and approval of the thesis / dissertation by the Examining Committee should be included in the preliminary pages. These two certificates must be included on two separate pages exactly as given in Annexure V (a), V(b) and V (c).

c) Acknowledgements

Acknowledgement(s), if any, should be brief. This should follow the title page and is assumed to be page iv, but the number is not typed on page. All those who rendered the help in technical matters should be acknowledged.

d) Abstract

Abstract, not exceeding one page should be included as per Annexure VI. The abstract should be typed in single space following the general guidelines of text.

e) Abbreviation

All the standard abbreviations that had been used in the thesis/Dissertation should be provided.

f) Table of contents

Except the title page, certificates, acknowledgements and abstract all other major divisions of the thesis / dissertation should be listed in the table of contents (Annexure VII). These divisions and sub-divisions, if any, must agree in wording and style with the text.

2. Main body of the thesis / dissertation

a) Text

The detailed organization of the text will vary with theses in different subjects, but a consistent style must be followed. **In general, text is divided into:**

- (i) **Introduction and objectives,**
- (ii) **Review of Literature,**
- (iii) **Materials and Methods,**
- (iv) **Results**
- (v) **Discussion**
- (vi) **Summary and Conclusions**
- (vii) **Bibliography**

The text of the thesis may also include certain materials such as illustrations, tables, photographs, chemicals and mathematical formulae and footnotes.

b) Tables

Tables should be self-explanatory. Headings and the column / row entries should be clearly related. Tables less than half a page may be preceded or followed by the text. All tables should be numbered **with Arabic numerals**, consecutively throughout the thesis.

c) Formula

Mathematical and chemical formula should be carefully made out using suitable software tool/ extension. Complex mathematical formulae of two or more lines should not be included in text lines, but should be placed in the proper position in the centre of the page between lines of text.

d) Scientific names

Give generic names in full at the first mention, e.g. *Trypanosoma evansi* (Protozoa). Thereafter abbreviate them in the text e.g. *T. evansi*.

e) Illustrations and Photographs

Illustrations used in the thesis must appear in all the copies. Illustrative materials may be in Arabic line drawings or photographs. Illustrations may be inserted wherever needed in the text, numbered in Arabic numerals typed on a thesis paper below the illustration.

The illustrations must be prepared using computer. The size of illustrations could be reduced photographically. All copies of the photographs, when used should be reproduced from the original negatives or using computer. Photo copies of the photographs are not to

be used. All the photographs/ images/ figures should be colour printed on good quality glossy paper in all the copies.

f) Thesis Paper

The original thesis as well as the photo copies should be prepared on a good quality A4 size white bond paper. All pages must have at least 3.5 cm on binding side, 2.0 cm on free side. 3.0 cm on the top and 2.5 cm on the bottom should be kept with no gutter.

g) Typing

The thesis must be typed on computer. The general text of the manuscript should be typed in one and half space and tables/long quotations/foot notes/Abstract in single space. The general text should be typed using Times New Roman font, size 12 with standard abbreviations. Errors in typing should be avoided. Spell checker should be used for corrections prior to final printing. Cutting is not permitted. In case of more serious errors or errors exceeding 4, the sheet will have to be retyped.

h) Pagination

Certificate of approval, the page, acknowledgement and abstract should not be given any page number. The first page of the table of contents is numbered v or vi depending on whether or not any acknowledgement is used. For text, Arabic numerals are used beginning with the first page of the text and continued throughout the rest of the thesis including the bibliographic references. Suppress the page number in first page of each chapter.

The pages on which the corrections have been suggested by the External Examiner will have to be retyped. It may happen in few cases that the external examiner suggests adding new material. This would disturb the paging of the thesis and is therefore, required to be corrected accordingly.

3. Reference in the text should be cited as under:

Gill (1998), Sharma and Brar (1999) and Sidhu *et al.* (2008) reported..... or the results have been reported by several workers Arora (1852), Verma and Grewal (1997) and John *et al.* (2007). Pattern of quoting reference given in Annexure – III should be strictly followed.

Refer to unpublished work only in the text (Ressel J B, unpublished), William C.J (pers. Comm.) and not in the reference section.

4. Appendices

Appendices should be avoided as far as possible. Any material like solution preparation, test forms, blank record forms, apparatus etc. may be included under Materials and Methods.

5. Vitae

The Vitae of student should be given at the end of the thesis/dissertation on a separate page (Annexure VIII).

6. Resubmission of thesis/dissertation

If a thesis/dissertation is not accepted, the candidate may be allowed to resubmit it after making modification in the light of remarks of the Examination Committee. Resubmission is allowed after a lapse of not less than one full semester. Resubmission will be processed in the same manner as the original submission.

ANNEXURE –I

**PROFORMA FOR SUBMISSION OF PROGRAMME OF WORK OF POST
GRADUATE STUDENTS**

BIHAR ANIMAL SCIENCES UNIVERSITY

PROGRAMME OF WORK FOR POST GRADUATE STUDENTS

To be submitted by HOD in six copies

To

The DRI-cum-DEAN, Post Graduate Studies
BASU, Patna

The Advisory Committee of Dr./Mr./Ms.-----
Son/daughter of Shri-----& Smt.-----
Registration No-----admitted in the Department of -----
----- in-----program during in the Academic year-
----- Semester I/II, after consulting him/her in a meeting, makes the
following statements and recommendations:

His/her major field is: -----

His/her fields of specialization: -----

His/her minor field is: -----

His/her academic qualifications prior to joining this program

<i>Degree or Diploma</i>	<i>Year of passing</i>	<i>Division</i>	<i>Aggregate% age of marks or OGPA</i>	<i>Institution</i>	<i>Major subject</i>
High school/Higher Secondary					
B.V.Sc. & A.H./ B.F.Sc./B.Tech.					
M.V.Sc/M.F.Sc./M.Tech					
Other (Please specify)					

Registration No. -----

Relevant course studied at the undergraduate level in major and minor fields:

Title of the Course	Course No.	Credit Hours	Grade/CPA

Course studied in major, supporting and minor fields or as deficiencies in Master's program*:

Title of the Course	Course No.	Credit Hours	Grade/CPA

*This information is to be furnished for Ph.D. students only.

Registration No. -----

Courses to be completed by the student:

Classification of Courses	S. No.	Course No.	Title of the Course	Credit Hours
(i) Deficiencies to be Completed	1			
	2			
	3			
	4			
	5			
			Total:	
(ii) Major	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	11			
			Total:	
(iii) Supporting	1			
	2			
	3			
	4			
	5			
			Total:	
	1			
	2			
	3			
	4			
	5			

	6			
	7			
	8			
			Total:	

Signature of the Student-----

Registration No. -----

ADVISORY COMMITTEE

Name	Designation & Department	Signature
1. ----- (Major Advisor)	-----	-----
2. -----	-----	-----
3. -----	-----	-----
4. -----	-----	-----
5. -----	-----	-----

(DEAN PG's Nominee)

Certified that:

1. The courses shown under deficiency, major, supporting and minor field are according to the Academic Regulation.
2. The titles and credit hours shown against each course are correct according to the Academic Regulation.
3. The major and minor fields confirm to those approved and mentioned in the Academic Regulation.
4. The Advisory committee is in accordance with the provision or Academic Regulation.

(Major Advisor)

(Head of the Department)

Forwarded in quintuplicate, to the DEAN, Post Graduate Studies, Bihar Animal Sciences University, Patna.

Memo. No.-----

Head
Department of -----
(Seal)

For use in the office of DEAN, Post Graduate Studies.

Approved

DEAN
Post Graduate Studies

1. Registrar, BASU
2. Head, Department of -----

ANNEXURE-II, (Three copies)
BIHAR ANIMAL SCIENCES UNIVERSITY, PATNA
Synopsis of Thesis/Dissertation Problem of post graduate Studies:
M.V.Sc/M.F.Sc./M.Tech. (Dairy technology)/Ph.D.

Name of the Student (Capital letters) : -----
 Registration No. : -----
 Major Subject : -----
 Minor Subject : -----
 Major Advisor : -----

Title of the research problem:

Introduction and objectives:

A brief review of relevant literature:

Technical program of work:

The details of each experiment should be given as under:

Experiment No.1

- i. Name of the experiment
- ii. Location/place of work
- iii. Research Methodology and Experimental Design
- iv. Observations to be recorded
- v. Statistical analysis (if required)

Similar details of other experiment (S), if any, should be given.

Collaboration (if any) with other Department (s)

Consent of the:

- i. Collaborating teacher -----
- ii. Head of collaborating Department -----

Signature of the Student

ADVISORY COMMITTEE

	Name	Designation	Department	Signatures
Major Advisor	-----	-----	-----	-----
Member	-----	-----	-----	-----
Member	-----	-----	-----	-----
Member	-----	-----	-----	-----
Nominee of DEAN PGS	-----	-----	-----	-----

Forwarded six copies to the DEAN, Post Graduate studies, for approval by Synopsis Approval Committee.

Head of the Department.

DEAN, Post Graduate Studies

Style of Writing References

Anonymous publications

Anonymous. (1998). Influence of milking frequency on production and reproductive efficiencies of dairy cows. Package of Practices for Rabi Crops. Pp 20-25. Punjab Agricultural University, Ludhiana.

One or more references by the first author

- When there is only single author, arrange references year-wise.
- In case of **two or more authors**, see the second author and arrange references alphabetically. When **first and second authors are the same** then see the third author and arrange references alphabetically and so on.
- In alphabetically arranged references, references with two or more same authors are to be arranged year-wise.

Wanapat M. (1985). Improving rice straw quality as ruminant feed by urea treatment in Thailand. Relevance of Crop Residues as Animal Feeds in Developing Countries. (Eds) Wanapat, M. and Devendra C., Funny press, Bangkok, Thailand.

Wanapat M. (2003). Manipulation of cassava cultivation and utilization to improve protein to energy biomass for livestock feeding in the tropics. *Asian-Australasian J. Ani. Sci.* **16**: 463-72.

Wanapat M. and Khampa S. (2006). Effect of cassava hay in high quality feed back as anthelmintics in stress grazing on ruzi grass. *Asian-Australasian J. Ani. Sci.* **19**: 695-99.

Wanapat M., Pimpa O., Sripuek W., Puramongkol T., Petlum A., Boontao U., Wachirapakorn C. and Sommart K. (2000). Cassava Hay: an important on-farm feed for ruminants in: Proc International workshop on Tannins in Livestock and Human Nutrition (Ed.) Brooker J D. ACIAR Proc. No **92**: pp 71-74.

References by the 1st same author in the same year

Wanapat M., Petlum A. and Pimpa O. (2000a). Supplementation of cassava hay to replace concentrate use in lactating Holstein Friesian crossbreds. *Asian-Australasian J. Ani. Sci.* **13**: 600-604.

Wanapat M., Pima O., Sripuek W., Puramongkol T., Petlum A., Boontao U., Wachirapakorn C. and Sommart K. (2000b). Cassava Hay: an important on-farm feed for ruminants In: International workshop on Tannins in Livestock and Human Nutrition (Ed.) Brooker J.D. ACIAR Proc. No **92**: pp 71-74.

Wanapat M., Pruamongkon T. and Siphuak W. (2000c). Feeding of cassava hay for lactating dairy cows. *Asian-Australasian J. Ani. Sci.* **13**: 478-82.

Books

- Sastry G.A. (1978). Clinical Veterinary Pathology. 2nd Edn. CBS Publishers and Distributors, New Delhi.
- Snedecor G. W. and Cochran W. G. (1985). Statistical Methods. 7th Edn. Pp 313. The Iowa state University Press, Ames, Iowa, USA.

Chapter in an edited book

- Kinchin A. K. (1957). Mathematical foundations of Information Theory. Silverman R A and friendman M D (tr). Pp 100-20. Dover, New York.

Symposium/Conference proceedings

- Yazdani A. R. and Gupta L. R. (1996). Effect of different source of proteins and type of housing on the growth and physiological responses of crossbred calves during summer. Paper presented at National Symposium on Livestock Industry for Self/gainful Employment, held at Madras Veterinary College, Chennai, Sept. 18- 20 India.
- Patel A. V., Nigam R., Patel D. M. and Mehta V. M. (1992). Blood biochemical profile of Surti and Marwari goat during pregnancy. Proceeding of 5th International conference on Goats. Recent Advances in Goat Production. Pp. 1364-70. New Delhi.

Technical bulletins and thesis

- Kumar S. (1976). The African Horse-sickness. Technical Bulletin No. 15. Pp 1-34. Indian Council of Agricultural Research, New Delhi.
- Sen K. C. and Ray S. N. (1987). Nutritive Value of Indian Cattle Feeds and Feeding of Animals: Tech Bull 25, 6th edn. Pp 1-133. Indian Council of Agricultural Research, New Delhi.
- Gupta S. (2002). 'Clinical, biochemical and parasitological studies and prevalence of caprine schistosomiasis in and around Jabalpur.' Ph.D. dissertation. Rani Durgawati Vishwa Vidyalaya, Jabalpur (MP).
- Singh N. (1988). 'Studies on the immunogenicity of some field isolated of *Pasteurella multocida* in buffalo calves.' M.V.Sc. Thesis, Punjab Agricultural University, Ludhiana.

Patents

- Von Amende D., Hirsh G., Schreijag K. H. and Schulz D. E. G. (2004). Veterinary Syringe. United States Patent D497240.

Genbank Accession

Name(s) of author(s). Year. Title of accession. Accession No

Website reference:

Name of the website. Title. Date of visit to the website

TITLE OF STUDY/ RESEARCH

Synopsis

**Submitted to the
Bihar Animal Sciences University, Patna**



in partial fulfilment of the requirements for the degree of

MASTER OF VETERINARY SCIENCES

In

NAME OF THE SUBJECT

By

**Name of Student
(Registration number)**

**Name of the College
BIHAR ANIMAL SCIENCES UNIVERSITY, PATNA-800014
2020**

TITLE OF STUDY / RESEARCH

Thesis

**Submitted to the
Bihar Animal Sciences University, Patna**



in partial fulfilment of the requirements for the degree of

MASTER OF VETERINARY SCIENCES

In

NAME OF THE SUBJECT

By

**Name of the Student
(Registration number)**

**Name of the College
BIHAR ANIMAL SCIENCES UNIVERSITY, PATNA-800014
2020**

TITLE OF STUDENTS / RESEARCH

Thesis/ Dissertation

**Submitted to the
Bihar Animal Sciences University, Patna**



in partial fulfilment of the requirements for the degree of

DOCTOR OF PHILOSOPHY

In

NAME OF THE SUBJECT

By

**Name of The Student
(Registration number)**

Name of the College

BIHAR ANIMAL SCIENCES UNIVERSITY, PATNA-800014

2020

ANNEXURE V(a)

Name of the Department (Times New Roman, Bold, 14 font size)

Name of College (Times New Roman, Bold, 12 font size)

Bihar Animal Sciences University, Patna (Times New Roman, Bold, 12 font size)

CERTIFICATE – I

This is to certify that the thesis/dissertation entitled “_____” submitted in partial fulfilment of the requirement for the award of the degree of M.V.Sc./ M.Tech./ M.F.Sc./ Ph.D., in the discipline of _____(Major subject) _____) of the faculty of Post-Graduate Studies, Bihar Animal Sciences University, Patna, is a bonafide research work carried out by _____(Name of the student), Regd. No. _____under my supervision and that no part of this thesis/dissertation has been submitted for any other degree or diploma.

The assistance and help received during the course of investigation have been fully acknowledged.

**Major Advisor
(Name)**

Place:

Date:

ANNEXURE-V(b)

Name of the Department (Times New Roman, Bold, 14 font size)

Name of College (Times New Roman, Bold, 12 font size)

Bihar Animal Sciences University, Patna (Times New Roman, Bold, 12 font size)

CERTIFICATE – II

(For Master's thesis)

This is to certify that the thesis entitled, “_____”
submitted by _____ (Name of the Student), Registration
No. _____ to the Bihar Animal Sciences University, Patna in partial
fulfilment of the requirements for the degree of M.V.Sc./M.F.Sc./M.Tech. in the
discipline of _____ (Major subject) has been approved
by the Student's Advisory Committee after an oral examination of the student in
collaboration with an External Examiner.

Major Advisor

External Examiner

Members of the Advisory Committee:

- 1.
- 2.
- 3..
- 4.

Head of Department

DRI-cum- DEAN, Post Graduate Studies

(Note: Print/write the names of Major Advisor, Head of the Department and DRI—
cum-DEAN, Post Graduate studies.)

ANNEXURE-V(c)

Name of the Department (Times New Roman, Bold, 14 font size)

Name of College (Times New Roman, Bold, 12 font size)

Bihar Animal Sciences University, Patna (Times New Roman, Bold, 12 font size)

CERTIFICATE-II

(For Ph.D. thesis)

This is to certify that the thesis entitled, “_____”
submitted by _____ (Name of the Student), Registration
No. _____ to the Bihar Animal Sciences University, Patna in partial
fulfilment of the requirements for the degree of Ph. D in the discipline of
_____(Major subject) has been approved by the
Student’s Advisory Committee after an oral examination of the student in
collaboration with an External Examiner.

Major Advisor

External Examiner

Members of the Advisory Committee:

- 1.
- 2.
- 3..
- 4.

Head of Department

DRI-cum- DEAN, Post Graduate Studies

**(Note: Print/write the names of Major Advisor, Head of the Department and DRI—
cum-DEAN, Post Graduate studies.)**

FORMAT OF ABSTRACT

ANNEXURE- VI

Title of the Thesis/Dissertation :

Name of the student :
and Registration No.

Major Subject :

Minor Subject :

Name and Designation :
of the Major Advisor

Degree to be Awarded :

Year of award of Degrees :

Total pages in Thesis :

Name of the University :

ABSTRACT

(Not exceeding one page)

Key words:

Signature of Major Advisor

Signature of the Student

THESIS CONTENTS

The thesis should consist of sections in the following order: -

CONTENTS

Sr. No.	Topic	Page No.
1.	Title page –	
2.	Certificate-I –	
3.	Certificate-II –	
4.	Acknowledgements –	
5.	Contents –	
6.	Abbreviations Used –	
7.	List of Tables/Figures/Plates –	
8.	Abstract –	
9.	Introduction (Chapter I) –	
10.	Review of Literature (Chapter II) –	
11.	Materials and Methods (Chapter III) –	
12.	Results and Discussion (Chapter IV) –	
13.	Summary and Conclusions (Chapter V) –	
14.	Literature Cited –	
15.	Appendices –	
16.	Brief Resume of the Student	

Subdivision/Sub-topics, if any, should also be given under each chapter.

ANNEXURE VIII

Brief Resume of the Student (only in one page)

Name of the student :
Father's name :
Mother's name :
Nationality :
Date of birth :
Permanent home address :

EDUCATIONAL QUALIFICATION

For Master's degree studies

- Bachelor's degree :
Name of the University
Year of award
OGPA/OCPA/% Marks :
- Master's degree :
OCPA/Percentage of marks :

For Ph.D. students

- Bachelor's degree :
Name of University :
Year of award :
OGPA/OCPA/Percentage of marks :
- Master's degree :
Name of the University :
Year of the award :
OGPA/OCPA/Percentage of marks :
- Ph.D. :
OGPA/Percentage of marks :
Awards/Distinctions/Fellowships/Scholarships :

Any specific information (if any) :

**APPROVED GUIDELINES BY COMMITTEE FOR THE PURPOSE OF
CONTROL AND SUPERVISION OF EXPERIMENTS ON ANIMALS
(CPCSEA) ON THE NORMS AND PRACTICES FOR REGULATION OF
ANIMAL EXPERIMENTATION.**

The research proposals that fall under the following categories (excluding wild animals studies) would be approved by the IAEC of institutions/organizations.

1. Feeding trial that do not cause stress and do not involve any invasive procedure but involving measurement on
 - Feed intake
 - Water intake
 - Body weight
 - Body size
 - Body condition and score
 - Digestibility
 - Milk production and wool quality
 - Egg production and egg quality
2. Feeding trials in food animals that do not cause stress and do not involve any invasive procedure and slaughtered in humane way, involving measurement on meat and meat quality.
3. Breeding experiments that do not cause stress and do not involve any invasive procedure, involving measurement on
 - Litter size (no. of off springs)
 - Litter weight (weight of off springs)
 - Breed characters
 - Breed improvement
 - Breed preservation
 - Reproduction traits
 - Production traits
 - Age at maturity
 - Body measurements
 - Feed conversion efficiency
4. Livestock/poultry management studies that do not cause stress and do not involve any invasive procedure, involving measurement on
 - Animal behaviour
 - Animal comfort and health
 - Reproduction traits
 - Production traits
5. Wild animal studies that do not cause stress and do not involve any invasive

procedure and without any restraintment, involving measurement on

- Animal behaviour
- Animal comfort and health

The approval of the IAEC of the Institutes/Organizations will subject to the following conditions/regulations:

Conditions/regulations

The study must be conducted by only trained staff who is familiar with animal care, handling and ethical issues.

A register must be maintained by the Animal house in-charge/Head of the Dept., containing information on names and CVs and training records of scientists/supporting staff who performed the said experiment and dates of study.

A brief outline/method/procedure adopted for the study with source, number, sex, and species/breed of animals employed for the study and the conditions/husbandry maintained.

Result of each study collected with a copy of publication/report.

Fellow up observations recorded on the animal(s) after completion of said study with information on health status, illness, if any, and procedures of euthanasia/rehabilitation adopted, if any.

Records of re-use of animals, if any, with details of waiting period before new study/experiment performed.

General conditions and health records of all animals that are used for such studies listed above.

DECLARITON ON THE USE OF ANIMALS/BIRDS

Certified that in the program of the proposed synopsis of thesis/dissertation
entitled”.....” of
..... (Name of the student), Registration No.....

- *1. Use of animal(s) is involved.
- *2. Although the study relates to animals/birds, it does not involve the handling/experimental of the animals/birds because it is only survey/data collection/Epidemiology study/(specify if any other type of study).
- *3. The study is to be conducted only on the clinical cases.
- 4*. Use study of animals/birds is involved and the approval of IAEC/CPCSEA is obtained/sought vide reference..... (Copy enclosed).
- *5. Slaughter house material will be used for conducting the study.

(*Strike off whichever is not applicable)

(Signature of major Advisor)

(Signature of Head of the Department)

ANTI-PLAGIARISM CERTIFICATE

This is certified that the Thesis entitled “.....” submitted by (Research Scholar Name) (registration number) in partial fulfilment of the requirements for the award of (name of degree) in the department of is a bonafide work carried out by him/her under my supervision and guidance. We undertake the following

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(Research Scholar)

(Research Supervisor)