

PROSPECTUS

PVT, PGET (Vet.) & PGET (Biotech.)

2012



**U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan
Vishwavidyalaya Evam Go-Anusandhan Sansthan
(DUVASU) Mathura-281001 (U.P.) INDIA**

IMPORTANT DATES

1. Last date of receipt of application

i)	PVT	:	23-04-2012
ii)	PGET (Vet)	:	04-06-2012
iii)	PGET (Biotech)	:	04-06-2012

2. Date of PVT Examination (BVSc & AH)

i)	Preliminary Examination	:	20-05-2012
ii)	Main Examination	:	24-06-2012

3. Date of PGET (Vet) Examination

: 08-07-2012

4. Date of PGET (Biotech) Examination

: 08-07-2012

5. Date of 1st counseling for BVSc & AH Program

: 10-07-2012

6. Date of counseling for PG Program

i)	MVSc	:	Counseling dates will be declared with the results.
ii)	PhD	:	
ii)	MVSc/MSc (Biotech)	:	

The result shall be notified within 3 days of conduct of exam. Counseling date, time and venue will also be published in the news paper and on the University website (www.pretuniversity.in) along with the results. Any change will be notified on University website.

IMPORTANT

Any dispute arising out of anything connected with the University and its activities including admissions will be subject to jurisdiction of the Courts situated at Mathura.

DISCLAIMER

The statements made in the Prospectus and all informations contained herein are believed to be correct at the time of publication. However, the University reserves the right to make any time, without notice, change and addition to the regulations, conditions governing the conduct of students, requirements for degree or diploma, fees and any other information, or statements contained in this prospectus. No responsibility will be accepted by the University for hardship or expense incurred by its students or any other person or persons for such changes, additions, omissions or errors, no matter how they are caused.

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INTRODUCTION

U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura came into existence on Oct. 25, 2001, by an Act of Govt. of Uttar Pradesh (Act No. 27 of 2001).

Brij area is known since time immemorial for Lord Krishna and its animal wealth, particularly cows. There are large numbers of Gau-shalas in and around Mathura having hundreds and thousands of cows. The whole of Brij Kshetra is famous for its milk and milk products (doodh, dahi, makhan, pera etc.). Recognizing the importance of livestock of this area, the erstwhile U.P. College of Veterinary Science and Animal Husbandry was established in Mathura by Govt. of U.P. in 1947. It was the first Veterinary College in Asia to confer the degree in Veterinary Science. Ever since the establishment of this College, it has contributed significantly not only in terms of number of graduates and post-graduates of high scholastic order, but also quality research of national and international standards. This College has a glorious past and the distinction of having its alumni holding high positions in India and abroad as teachers, research workers, policy makers, consultants and administrators.

In the year 1975, this College was made a constituent College of the newly established C.S. Azad University of Agriculture and Technology, Kanpur.

However, keeping in view the requirement of trained and competent manpower in the field of Veterinary Science, Animal Husbandry, Fisheries and other allied disciplines and also to give a fillip to research on different aspects of cattle production, Govt. of Uttar Pradesh established U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura, the fourth Veterinary University in the country and the Veterinary College Mathura became the first constituent College of the University. The University is located on the Mathura - Agra road and is about 5 km from Mathura Junction railway station and 4 km from new bus stand. The main campus of the University is spread over a vast land area of 782.32 acres in Mathura Cantt and about 1400 acres at Madhurikund, about 20 km away from the main campus.

The objectives and mandate of the University are :

- (i) to impart quality education in Veterinary and allied sciences;
- (ii) to undertake need-based and basic research; and
- (iii) to provide extension services to disseminate the research findings and knowledge to farmers and livestock owners.

The new Veterinary University, in addition to the College of Veterinary Science and Animal Husbandry and college of Biotechnology, will have the following faculties too in the near future to be started in a phased manner:

- (a) College of Fisheries
- (b) College of Livestock Products Technology
- (C) College of Animal Industry and Business Management

Establishment of these Colleges will provide further opportunities to the students of the State of Uttar Pradesh and other States to seek other professional degrees and also vocational training in different fields of Veterinary-Science, Animal Husbandry, Fisheries and Animal Products Technology to improve their career prospects.

Presently the university has following colleges:

1. College of Veterinary Science and Animal Husbandry
2. College of Biotechnology

The Go-Anusandhan Sansthan is a unique feature of this University and first of its kind in India. It would provide latest facilities for research on various aspects related to cattle, its products and by-products.

1. COLLEGE OF VETERINARY SCIENCE AND ANIMAL HUSBANDRY :

It is one of the premier Veterinary Colleges of India. The College caters to the needs of trained manpower for the State of U.P. as well as other States by carrying out teaching, research and extension education programmes pertaining to livestock production and health. The College offers the following programmes of study:-

- (i) B.V.Sc. & A.H. (5 year degree programme as per Veterinary Council of India)
- (ii) M.V.Sc. (4 Semesters, as per Indian Council of Agricultural Research)
- (iii) Ph.D. (6 Semesters, as per Indian Council of Agricultural Research))

College has the following well-established departments:-

- | | |
|---|--|
| 1. Veterinary Anatomy and Histology | 12. Livestock Products Technology |
| 2. Veterinary Physiology | 13. Animal Reproduction, Gynaecology & Obstetrics |
| 3. Veterinary Biochemistry | 14. Veterinary Surgery and Radiology |
| 4. Veterinary Pharmacology & Toxicology | 15. Veterinary Clinical Medicine, Ethics and Jurisprudence |
| 5. Veterinary Parasitology | 16. Veterinary Epidemiology and Preventive Medicine |
| 6. Veterinary Microbiology | 17. Veterinary and Animal Husbandry Extension |
| 7. Veterinary Pathology | 18. Teaching Veterinary Clinical Complex (TVCC) |
| 8. Veterinary Public Health | 19. Poultry Science |
| 9. Animal Nutrition | |
| 10. Animal Genetics and Breeding | |
| 11. Livestock Production and Management | |

All the Departments are having highly qualified Faculty-Members and good laboratory facilities. Apart from this the college has a Central Instrumentation Laboratory equipped with state of art instruments, equipments and research gadgets. The TVCC of the college is a dynamic and vibrant unit equipped with all necessary state of art diagnostic and treatment instruments and equipments. These facilities are used for providing “hands on training” to the under-graduate and post-graduate students of veterinary faculty.

2. COLLEGE OF BIOTECHNOLOGY (On Self Finance Basis) :

Biotechnology integrates multiple disciplines like genetics, molecular biology, biochemistry, embryology, microbiology and cell biology, which are in turn linked to practical disciplines like chemical engineering, information technology, and robotics.

Owing to the emerging need of highly skilled man power in biotechnology, Mathura Veterinary University has recently established College of Biotechnology. Veterinary University Mathura is internationally known and established Government University which has produced outstanding academicians, scientists, professionals in different areas of Veterinary Sciences.

College of Biotechnology has its own newly constructed modern building equipped with state of the art facilities for education and research in addition to newly built up hostel facilities both for boys and girls.

OBJECTIVES

- ◆ To provide education in the field of Biotechnology so as to prepare the students for productive career into a professional curriculum.
- ◆ To develop center of Excellence in research programme that would meet the needs of young scientists as well as training and technology transfer.
- ◆ To conduct both internal and external reviews of the educational programme on regular basis.
- ◆ To develop new expended programme at regional, national and international levels.

IMPACT

- ◆ Biotechnology has changed the facet of traditional industries such as food processing and fermentation. It has transformed the scenario of the whole technology for industrial production of hormones, antibiotics, biomolecules, other chemicals, food, energy sources and processing of waste materials.
- ◆ Biotechnology advances lead to better diagnostic tools and medical therapies.
- ◆ Basic research knowledge about the genetic basis of human and animal diseases.
- ◆ Improvement in the basic and applied research for better production and management of domestic and wild life species
- ◆ Characterization and preservation of indigenous breeds and endangered species.

MANDATE

- ◆ To generate human resources for Biotechnology.
- ◆ To develop genetic based clinical research technology.
- ◆ To develop/ augment Bio informatics technology.
- ◆ To proceed for nano technology.

INFRASTRUCTURE

Departments

1. Reproductive Biotechnology
2. Molecular Biology
3. Environmental Biotechnology
4. Vaccine Technology
5. Genetic Engineering

SPECIAL FEATURES

- ◆ A new College of the State Veterinary University, which is the fourth such University in the country and first of its kind in the state.
- ◆ College is housed in a newly constructed majestic and beautiful building which was inaugurated by Dr. George John, Advisor, Department of Biotechnology, Govt. of India on September 25, 2009.
- ◆ Apart from the Core and Supporting Faculty, College has a very strong technical and professional support from the Senior Faculty Members of Veterinary College who are recognized for their professional acumen and scientific contributions,
- ◆ Laboratories are equipped with all the required modern equipments and gadgets,
- ◆ College of Biotechnology apart from the in-house laboratory facilities will have strong laboratory support from various Departments of College of Veterinary Sciences and Animal Husbandry,

- ◆ Excellent Visiting Faculty of high scholastic order from various research institutes of repute.
- ◆ University is having very well equipped Central Instrumentation Laboratory with the state of the art equipments.
- ◆ University has signed MOU with Central Institute for Research on Goats, Makhdoom, Farah, Mathura and all the scientific human resource and state of art laboratory facility is available for teaching and research for College of Biotechnology and College of Veterinary Science & Animal Husbandry of this University.
- ◆ Excellent Hostel Facilities both for boys and girl students,
- ◆ Internet connectivity and LAN in the College, Library and ARIS Cell and
- ◆ University Training, Counseling and Placement Cell

MAJOR EQUIPMENTS AVAILABLE FOR IMPARTING HANDS ON TRAINING AND RESEARCH WORK

- | | |
|---|--|
| ❖ Gel Documentation System | ❖ Digital pH meter |
| ❖ ELISA Reader | ❖ Fluoridometer |
| ❖ Sonicator | ❖ Phase contrast microscope |
| ❖ Thermocycler | ❖ Fluorescent microscope |
| ❖ RT-PCR | ❖ Computer assisted semen analyzer |
| ❖ Lypholyzer | ❖ Autoanalyzer |
| ❖ CO2 Incubator | ❖ Thermocycler |
| ❖ Electrophoresis apparatus | ❖ Digital Colorimeter |
| ❖ Refrigerated High Speed centrifuge | ❖ Digital spectrophotometer |
| ❖ High Performance Liquid Chromatogram | ❖ Submarine electrophoresis system with power supply |
| ❖ Atomic Absorption Spectrophotometer | ❖ Slab gel electrophoresis system with power supply |
| ❖ UV-VIS Spectrophotometer | ❖ Bacteriological Incubator |
| ❖ Spectrofluorometer | ❖ BOD Incubator |
| ❖ Ultra-pure water purification system | |
| ❖ Biosafety cabinet | |
| ❖ Electronic balances of high sensitivity | |

FUTURE PROSPECTS AND JOB OPPORTUNITIES

- ❖ In pharmaceutical Companies
- ❖ Biotechnology based Companies
- ❖ Bioinformatics
- ❖ Forensic Labs
- ❖ DNA Diagnostic Labs
- ❖ Microbiology and Biotechnology Colleges
- ❖ Government Services
- ❖ Vaccine Production Centers
- ❖ Immunology Labs and Institutes
- ❖ Food safety
- ❖ Gene banking
- ❖ Disease Diagnostic Centers, Labs and Institutes
- ❖ Preservation of Endangered Species

UNIVERSITY STUDENTS' AMENITIES AND OTHER DETAILS

1. Sports : Facilities for indoor and outdoor games are provided to the students. There is a large play-ground in front of the main building of Veterinary College for outdoor games like cricket, hockey, foot-ball, volley-ball, kabaddi, kho-kho etc. and various other athletic events. A new Gymnasium building of the University with excellent indoor facilities is also available at the campus. A large indoor badminton hall is also available in one of the hostels as round the year facility for indoor game (s). The University organizes annual sports meet along with the cultural programmes. All the sport events are guided and managed under the guidance of Staff Counselors and President Games and Sports is the overall Coordinating officer In-charge of all such programmes.

2. Extra curricular activities : Extra-curricular activities such as debates, declamation quiz, essay writing competition and cultural activities are arranged from time to time under the leadership of a Student Cultural Secretary and Cultural Counselor.

3. Tour : Students are sent on educational tour to nearby national institutes as per the syllabus need.

4. ARIS Cell : Large number of Computers with internet connectivity are available in ARIS Cell. In addition to this all the departments and offices of the University are connected with a LAN System.

5. Cafeteria/Canteen : Cafeteria / Canteen is available to meet out the demand of student and staff of the University.

6. Bank, Post Office and PCO : Indian Overseas Bank with ATM facility, Sub-Post Office and PCO facilities are also available in the University Campus.

7. Cooperative Facilities : Consumer Cooperative Society services are provided to the students by making them available routine daily use items including stationery, laboratory manuals etc. Facility of utensils to the mess on nominal charges is also being provided.

8. University Library : University has a large central library housed in a three storied building with large number of books and relevant Indian and foreign journals. The library has also the modern facilities like photocopy machine and computer with Internet connections. The library remains open from 10.00 A.M. to 8.00 P.M. A separate book bank has been commissioned as an additional facility to the students of weaker sections of the society. Apart from the Central Library, Departmental libraries also function in the College of Veterinary Sciences. The Central Library is the hub of scholastic activities.

9. Department of Students Welfare : The Department of Students Welfare in the University provides ample scope, opportunities and facilities for all round development of personality and leadership qualities in students. Besides high standards of academic performance, special emphasis is laid down on discipline. Students effectively participate in the management of hostels, mess system, games and sports, cultural and literary activities and other functions of the University from time to time.

10. Hostels : The University has four well-ventilated neat and clean boy's hostels, three for the undergraduate and one for the post-graduate students. Two girls' hostels accommodating 80 girl students of undergraduate and postgraduate programmes having good facilities are available. Each hostel has been provided with common room facilities with colour television, newspapers and magazines. There are also indoor game facilities for Table Tennis, Carom etc. Cooperative Mess facility along with supply of milk at subsidized rates from the University owned dairy farm is also provided for the benefit and convenience of the students. The hostels are managed by Wardens/ Hostel Superintendents who are generally senior teachers of the University under the supervision of Dean Students Welfare (DSW).

11. N.S.S. and N.C.C. : N.S.S. and N.C.C. are mandatory for each and every student and these have been included in regular course-curriculum of B.V.Sc. & A.H. Programme. The students also compulsorily join R & V Sqn. N.C.C where, in addition to other activities of NCC, they learn horse riding and participate in Republic day parade and equestrian competition. The NCC cadets of R. & V. Sqn. have brought many laurels for the Institute.

UNIVERSITY SCHOLARSHIPS AND STIPENDS

University Merit Scholarship :

B.V.Sc. & A.H.: Three students of each B.V.Sc. & A.H. Professional are awarded University merit scholarship on the basis of their academic merit in their respective classes. Tuition fee of such students is also waived off.

M.V.Sc.: One scholarship of Rs. 1000/- P.M. is awarded to one student of each Post-Graduate Department on the basis of their merit.

Stipend of the Social Welfare Department of Govt. of U.P. :

All the B.V.Sc. & A.H. and M.V.Sc. students of OBC/SC/ST etc. category receive a monthly stipend as per rules of Govt. of UP.

Award of Medals :

The Ist, IInd and IIIrd position holders of B.V.Sc. & A.H. and M.V.Sc. programmes receive University gold, silver and bronze medals, respectively at the time of University convocation.

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SCHEDULE OF ENTRANCE TEST/COUNSELING

A. For B.V.Sc. & A.H. Programme

Entrance Test (PVT)	Date and Time	Venue	Counseling	
			Date & Time	Venue
1. Preliminary	20-05-2012 8 AM - 11 AM	The Centre Alloted	10-07-2012 from 10 AM onwards	Library Conference Hall, Mathura Veterinary University
2. Main	24-06-2012 8 AM - 11 AM	MATHURA		

B. For M.V.Sc. & Ph.D.

Programme	PGET (Vet.) Date, Time and Venue	Counseling	
		Date & Time	Venue
MVSc	08-07-2012 8 AM - 11 AM	Counseling dates will be declared with the results.	Library Conference Hall, Mathura Veterinary University
PhD	11AM - 12 PM At Mathura Veterinary University		

C. For M.V.Sc./MSc. (Biotechnology)

Programme	PGET (Biotech.) Date, Time and Venue	Counseling	
		Date & Time	Venue
MVSc/MSc in Biotechnology	08-07-2012 3 PM - 4 PM At Mathura Veterinary University	Counseling dates will be declared with the results.	Library Conference Hall, Mathura Veterinary University

IMPORTANT INSTRUCTIONS

1. Candidates are advised to read the instructions given in the PROSPECTUS very carefully. The application form must be completed in all respects. Incomplete/unsigned/mutilated application form without photograph/with unclear photograph will be out-rightly rejected and the fee deposited will not be refunded.
2. Original documents or their Photostat copies should not be enclosed along with application form. Original certificates will have to be produced at the time of counseling.
3. Concealing of any information will be treated as misconduct and action will be taken as per the Rules of the University. Admission of such candidate(s) would be cancelled.
4. All admissions shall be made provisionally and the University reserves the right to cancel any admission granted to a candidate without assigning any reason thereof.
5. Application form should be filled-up very neatly and clearly by the candidate himself/herself in their own handwriting. Over writing/cutting on the application form shall not be allowed.

6. The applicant should fully ensure before dispatching the application whether he/she fulfills the eligibility requirement for admission/appearing in the Entrance Examination as the fees once paid shall not be refunded in the event of rejection.

7. Applicant is advised to clearly mention his/her complete permanent as well as mailing address neatly in the columns provided in the application form, acknowledgement card and envelopes.

8. The decision of the Admission Committee in all matters related to Entrance Examination/Admission shall be final.

9. Using any unfair means during Entrance Examination (PVT) will be treated as per the University Rules. The Admission Committee shall cancel result of such candidates.

10. Candidate seeking reservation should clearly mention their category/sub-category in column provided in the application form and answer sheets.

11. In the PVT examination, the candidate will use only BALL PEN (BLACK) for filling up circles on answer sheet (OMR).

12. After the examination is over, the candidate will be responsible to hand over his/her answer sheet to the Invigilator; otherwise his/her candidature shall be rejected.

13. The rough work should be done only on the question paper. For this purpose, neither he/she will be given any separate paper nor will he/she use any of his /her own paper. Only admission card will be allowed in the examination hall.

14. Students should affix his/her recent Colored Passport Size photograph (3.5 x 4.5 cm) in full front pose without any cap and/or sunglasses in the application form at the specified place.

15. The candidate should get the application form and recent Colored photograph attested from the Principal of the last college attended or a competent authority.

16. Scrutiny/re-evaluation of answer sheet of the entrance examination is not allowed.

17. Admission card will be sent by registered post. In case, admission card is not received before examination, duplicate admission card can be had from the centre one day earlier from the Centre Superintendent (Internal) by depositing two Colored photographs and Rs.20/- only.

18. A candidate who has been punished at any time in his/her earlier academic career for having taken part in act of indiscipline or use of unfair means during examination will be refused admission. In case, he/she secures admission by concealing facts or by any mistake of office, the admission will be cancelled as and when the facts are detected / brought to the notice of University.

19. The records of Entrance Examination shall be preserved only for a period of one year by the University after declaration of the result and no communication in this regard shall be entertained thereafter.

20. Candidates are advised, in their own interest, to send their application form under registered cover or deliver personally in the office of Controller of Examinations.

21. Last date of submitting completed Application Form for PVT is 23-04-2012 and for PGET (Vet.) & PGET (Biotech.) is 04-06-2012 by 5 PM. Applications received after last date as mentioned above will not be entertained and no claim what-so-ever can be made for such applications.

22. The University will not be responsible for any postal/any unforeseen delay/loss in transit in respect of submission of duly filled application forms, non-receipt of admit card etc.

23. Application forms of those candidates who do not fulfill the eligibility criteria will be rejected.

24. The centre indicated for the Entrance Examination by a candidate is only his/her option. Actual centre shall be allotted by the University and it shall be final. No correspondence in this regards shall be entertained.

25. Admission of the candidate to the Entrance Examination is provisional subject to their being found otherwise eligible for admission to the course concerned.

26. A candidate is required to submit only one application form. If a candidate submitted more than one application form, his/her candidature is liable to be cancelled.

27. Application form must be sent in original and duly completed in all respect. Photostat/Xerox copies/Fax copies of application forms will be rejected.

28. Mobile/Cell phones/Pager or any other communication devices are not allowed inside the premises where examination is being conducted.

29. The University reserves the right to cancel/change test centers/test dates.

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RULES AND REGULATIONS OF ADMISSION / ADMISSION PROCEDURE

- A. General Information
 a) Details of Undergraduate (BVSc & AH) Programme at College of Veterinary Science and AH, DUVASU, Mathura:

College of Veterinary Science and Animal Husbandry, Mathura									
Programme	Sanctioned Seats	Free Seats	Payment Seats	NRI / NRI Sponsored***	Women Category**	University Ward Category**	Eligibility	Minimum Duration	Subjects
B.V.Sc. & A.H.	60*	38	13	6***	9**	3**	Intermediate PCB with English	5 Years	All compulsory subjects as prescribed by VCI

- * 15 % Seats reserved for VCI
 ** Over and above the sanctioned 60 seats
 *** Vacant seats, will be filled by payment category

- b. Details of Seats - Post Graduate Programme (Veterinary Science)

College of Veterinary Science and Animal Husbandry, Mathura						
Programme	Total Seats	Eligibility	Minimum Duration	NO. OF SEATS / SUBJECTS		
				SUBJECT	MVSc	PhD
M.V.Sc.	43	BVSc & AH	2 Years	Anatomy	3	2
				Animal nutrition	2	1
				Biochemistry	2	1
				Epidemiology	2	-
				AGB	3	1
				LPM	2	-
				LPT	2	1
				Microbiology	3	2
				VOG	3	-
				Parasitology	2	1
				Pathology	2	-
				Pharmacology	3	1
				Physiology	3	2
				Poultry Sc.	2	-
				VSR	3	1
				AH Extension	2	-
VPH	2	1				
VCM	2	-				
PhD	14	MVSc in concerned subjects	3 Years	Seats in concerned subject as above		

*Note : The seats left vacant in different discipline of M.V.Sc./Ph.D. programs where there is no waiting list may be shifted to other disciplines. The shifting of seats in different disciplines will be decided by a committee consisting of Dean PGS (Chairman,) Dean COVS, Registrar and Controller of Examination. The vacant seats will be shifted only to those disciplines where no candidate has been admitted against reserved categories. The committee after assessing the availability of required facilities will shift not more than one seat to a particular discipline. The recommendation of the committee shall be put up to Vice-chancellor for consideration /approval.

Notes :

1. The Academic Council is the supreme academic authority to frame rules and regulations, increase/decrease the admission capacity and to decide all other matters relating to admission and academic affairs.
2. All the programs of the University are full time programs. A student, therefore, cannot take admission in more than one program simultaneously.
3. The admission to all programs of the University shall be made by the Registrar, who reserves the right to cancel the admission obtained by misrepresentation / concealment of facts or admission made due to error/oversight, etc.
4. The medium of Instruction/Teaching/Evaluation will be English only.

B. Entrance Examination For B.V.Sc. & A.H. Programme (P.V.T.):

1. Eligibility / Qualifications :

No candidate shall be admitted to B.V.Sc. & A.H. degree Course unless:

- a) He/she has completed the age of 17 years on or before 31st December, 2012. Maximum age limit will be 25 years (age relaxation of 5 years for SC/ST/OBC candidates).
- b) He/ she has passed :
 - I.. the qualifying examination with the subjects of Physics, Chemistry, Biology and English as core course or an examination equivalent to intermediate Science examination of an Indian University/Board recognized by the Association of Indian Universities taking Physics, Chemistry and Biology including a practical test in each of these subjects and English.

OR

- II.. Higher Secondary Examination or the Indian School Certificate Examination equivalent to 10+2. Higher Secondary Examination (after a period of 12 years of study), the last two years of study with Physics, Chemistry, Biology and any other elective subject with English at a level not less than the core course for English as prescribed by the National Council for Education, Research and Training after the introduction of 10+2+3 (years) education structure as recommended by the National Committee on Education.

NOTE : Where the Course is not as prescribed for 10+2 education structure of the National Committee, the candidates are required to have undergone a period of one year pre-professional training before seeking admission to the Veterinary College.

OR

- III. The Intermediate/Pre-degree examination in science from a recognized University/Board with Physics, Chemistry and Biology, which shall include a Practical test in these subjects.

OR

- IV. The pre-professional/pre-medical examination with Physics, Chemistry and Biology, after passing either the higher secondary school examination or the pre-university or an equivalent examination. The pre-professional examination shall include a practical test in these subjects.

OR

V.. B.Sc. examination from a recognized University. Provided that he/she has passed earlier qualifying examination with the following subjects viz. Physics, Chemistry, Biology and English.

OR

VI. Any other examination which in scope and standard is found to be equivalent to the intermediate science examination of Indian University/Board recognized by the Association of Indian Universities, taking Physics, Chemistry and Biology including a practical test in each of these subjects and English.

- c) He/she has appeared in the Pre Veterinary Test (PVT) conducted by the University and declared eligible based on the test results. The NRI candidates are not required to appear in PVT, however, they must have secured minimum 50% marks in Intermediate or equivalent examination. However the NRI sponsored candidates will have to appear in PVT Examination and secure 50% marks.
- d) He/she shall produce his/her mark sheet/certificate of Intermediate Examination at the time of counseling.
- e) He/she must be domicile of Uttar Pradesh. (Not in case of NRI/NRI sponsored candidate)
- f) A candidate under General Category for admission to the B.V.Sc. & A.H. degree course must have passed in each of the subjects of English, Physics, Chemistry and Biology, and obtained 50% marks in aggregate of these subjects, at the qualifying examination.
- g) In respect of candidates belonging to the Scheduled Castes/ the Scheduled Tribes or other special category of students as specified by the Government from time to time, marks required for admission shall be 10% less than that prescribed for general category. Where the seats reserved for the Scheduled Caste and the Scheduled Tribes students cannot be filled for want of requisite number of candidates the Uttar Pradesh State Govt. rules and regulations shall apply.
- h) Admission of students to B.V.Sc. & A.H. degree course shall be made only on the basis of his/her merit in the competitive entrance examination. No other merit/ weightage shall be considered for admission to B.V.Sc. & A.H. degree course.
- i) The students educated abroad seeking admission into veterinary colleges in India, must have passed the subjects of Physics, Chemistry, Biology and English upto the 12th Standard level with 50% marks in the individual subjects.
- j) Sponsored candidates shall have to qualify the admission procedures as laid down for the students under General category.

NOTE:

1. Candidates appearing in Intermediate Examination of 2012 are also eligible to appear in Pre Veterinary Test (PVT), however, their admission will also be governed by the above cited rules.
2. The candidate shall bring this prospectus along with other original certificate at the time of counseling.
3. The NRI sponsored candidates are not required to be a domicile of Uttar Pradesh.

2. Application :

Applications for admission are invited by Advertisement in leading Hindi Daily newspapers. Aspirants for admission have to apply on the prescribed Application forms which can be obtained from the Office of Registrar along with sending a Bank Draft for Rs. 1050/- in the name of Finance Officer, U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura -281001 (U.P.) payable at Indian Overseas Bank, Veterinary College, Mathura (Code No. 1475) or any branch of Nationalized Bank at Mathura, w.e.f. 1-2-2012 or in person of on cash payment of Rs. 1000/- (till 23-04-2012 for PVT and 04-06-2012 for PGET (Vet. and Biotech.)

Application form duly filled-in should be sent to Controller of Examinations, U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura - 281001 (U.P.)

The university shall not be responsible for non-receipt or late receipt of the application form due to any reason including loss or delay in postal transit.

All admissions to B.V.Sc. & A.H. programme shall be made strictly on the basis of merit of Entrance Examination (PVT) result cum reservation as per the State/University rules. In the event of concealing any information or providing wrong information, admission will be cancelled. All admissions shall be provisional in the first instance and the University reserves the right to cancel admission granted to a candidate without assigning any reason. No person shall be entitled to claim any compensation or concession, if the admission granted is subsequently cancelled.

3. Age Limit :

Minimum age limit is 17 years as on 31-12-2012 for B.V.Sc. & A. H. programme. Maximum age limit will be 25 years (upper age limit relaxation of 5 years on for SC/ST/OBC candidates). Candidates born after 31-12-1995 or before 31-12-1987 (for OBC/SC/ST/BC 31-12-82) are not eligible.

4. PVT 2012 ::

The minimum qualifying marks for admission to B.V.Sc. & A.H. programme shall be 50 percent for general and OBC categories and 40 per cent marks for SC/ST category candidates in PVT Entrance Examination. This is applicable to all sub-categories except VCI quota.

PVT 2012 for selection of eligible candidates for BVSc & AH programme for College of Veterinary Science & AH, DUVASU, Mathura will be conducted in two phases:

- * Preliminary Examination shall be conducted on various centers as listed at point No.6 or as may be Decided by the University.
- * Those candidates, who qualify in the Preliminary Examination will be allowed to appear in the Main Examination to be conducted at Mathura Only.

5. Admit Card :

Admission card for Preliminary Examination will be sent to all the eligible applicants by registered post by 10-05-2012. In case, admission card is not received before examination, duplicate admission card can be had from the centre one day earlier from the Centre Superintendent (Internal) by depositing two color photographs (attested on the back side) and Rs.20/- only.

Admission card for Main Examination will be sent to only those candidates who qualify in the Preliminary Examination.

6. Examination Centres for PVT :

BAREILLY, KANPUR, LUCKNOW, MATHURA and ALLAHABAD.

7. VCI Seats :

Of the sanctioned 60 seats, 15% (9) seats are reserved for the nominated students sent by Veterinary Council of India.

8. Payment Seats :

Payment details for College of Veterinary Science & Animal Husbandry, DUVASU, Mathura

25% of the remaining 51 seats (13 seats) will be filled on payment basis. Candidates seeking admission in the category of payment seats shall have to appear in the PVT Entrance Examination and qualify the same as per University rules. Such candidates would be selected amongst the merit list of the Entrance Examination. Reservation policy of the Govt. of U.P. will be applicable for payment seats as well. Payment seats lying vacant, if any, from the reservation quota will be filled from the general category.

Selected candidates shall have to pay Rs. 2.00 lacs in addition to the other fees applicable at the time of admission in 1st Professional of B.V.Sc. & A.H. only. For subsequent professionals (II to V) including repeat years in all professionals (from Ist to Vth). Such students shall have to pay Rs. 40,000/- per professional including repeat years in addition to the other fees/dues applicable. **Fees once deposited shall not be returned in any case on any ground.**

9. Admission of NRIs/NRI-Sponsored Candidates :

Over and above the sanctioned 60 seats, 10% of the sanctioned seats i.e. 6 seats are available in this category. The candidates in addition to the normal fee applicable shall have to pay US \$ 6000.00 (or equivalent in Rupees) at the time of admission in 1st Professional and US \$ 2000.00 (or equivalent in Rupees) at the beginning of subsequent Professionals including Professionals repeated. Unfilled seats of NRI quota will be transferred to payment seats. Eligibility in this category will be subject to the following -

- (i) The sponsoring NRI or NRI candidate must be resident abroad for not less than 10 years.
- (ii) 50% marks in PVT is compulsory for NRI sponsored candidate.

10. Admission of Girls under Payment Category :

Over and above the sanctioned 60 seats, 15% i.e. 9 seats are available in this category. The seats will be filled by payment category as given in clause-8.

11. Admission of University Employee's Wards Category :

Over and above the sanctioned 60 seats 5% i.e. 3 seats are available in this category. The seats will be filled in the payment category as given in clause-8. 50% concession for class III and IV employees of this University is allowed in the payment fee i.e. Rs.1,00,000.00 (Rs. One Lac) at the time of admission and Rs.20,000.00 for subsequent professional years in addition to normal fees. Only spouse/children of regular employees of U.P. Pt. Deen Dayal Upadhyaya Pashu-Chikitsa Vigyan

12. Reservations :

Vertical (Main category)

i.	Scheduled Castes	:	21% (SC)
ii.	Scheduled Tribes	:	2% (ST)
iii.	Other Backward Classes	:	27% (OBC)
iv.	General	:	50% (GN)

Reservation to the following sub-categories is available as given below:

(a)	Children of U.P Freedom Fighters	-	One seat
(b)	Children of Defense Persons (Armed Forces)	-	One Seat
(c)	Physically Handicapped*	-	One Seat

The candidates claiming for any of the above reservation benefits shall have to submit the concerned/related certificate issued only by the competent authority at the time of counseling.

***Note:- In Physically handicapped sub category,** a candidate shall not be allowed admission to BVSc. & AH. degree course including those admitted under 15% reserved quota of Veterinary Council of India if he/she suffers disability in physical fitness as listed below :

- (a) Disability of total body including disability of chest/spine more than 50%
- (b) Disability of lower limb of more than 50%
- (c) Disability of Upper limb
- (d) Visually handicapped candidates and those with hearing disability.
- (e) Candidates with progressive disease like myopathies etc.
- (f) Disability which otherwise would interfere in the performance of the duties of a veterinarian.

The disability will be certified by a medical board constituted by Registrar of the University in

consultation with Chief Medical Officer of Mathura District, comprising of at least three specialists out of which two should be of specialty concerned and the candidate has to present him/herself before the medical board. The fee of the medical board will have to be borne by the candidate.

13. Question Paper (Question Booklet) :

1. The Question Booklets contain 200 questions serially numbered from 1 to 200. The questions shall be framed from all the subjects with equal weightage being given to each subject i.e. Physics, Chemistry, Zoology and Botany.
2. The OMR Answer sheet/Response sheet is inserted in each Booklet and each OMR sheet has 200 blank spaces serially numbered from 1-200 for filling the answers of respective questions.
3. The Booklet is staple bound and sealed on three open sides with paper seals.
4. Serial number of question Booklet & OMR Sheet is same and to be checked by each candidate before start of answering on OMR sheet.
5. Question Booklets are in four sets i.e. A, B, C & D.
6. In case of any doubt, discrepancy, misprinting, missing pages etc., the candidate must bring it to the notice of the Invigilators within the first 5 minutes and get question booklet replaced with the booklet of the same set (A, B, C or D) before writing the answer.
7. The rough work should be done only on the question booklets. Extra blank page is provided in question booklets for this purpose. Neither he/she will be given any separate paper nor will he/she use any of his/her own paper.
8. Answers are to be given on a separate OMR sheet supplied and NOT ON THE QUESTION BOOKLET.
9. NO ADDITIONAL OMR SHEET SHALL BE PROVIDED. Candidates are advised to handle it carefully.
10. There shall be negative marking and one mark will be deducted for each incorrect answer. More than one answer indicated / marked against a question will be deemed as incorrect answer and will be negatively marked.
11. Use only BLACK BALL POINT PEN for writing and filling the circle(s) on the OMR answer sheet.
12. Please read the instructions given in the question booklet in full before attempting the questions.

Syllabus:

The syllabus for the P.V.T. will be as that of Intermediate of U.P. Board/Equivalent.

14. Answer Sheet :

The answer sheet (OMR) will be provided with the Test Booklet. The specimen copy of the answer sheet, which will be provided with the Test-Booklet is given at Annexure-1 (all particulars are given at side No. 1 and side No. 2 of the Answer sheet). Candidates are advised to go through it and be fully conversant with the requirement of given particulars and marking the answers so that in the examination hall they could do so without any difficulty.

Note : No query regarding filling up of the test-booklets and answer sheets will be entertained in the Examination Hall.

The answer sheet used will be of special type, which will be scanned on Optical Scanner. There will be two sides of the Answer Sheet. Each answer circle on the sheet corresponds to the serial number of questions given in the Test Booklet. With each column, there are four circles bearing numbers 1, 2, 3 and 4, which correspond to the four responses, one of which is correct or most appropriate.

Writing of Answers or Responses :

There will be four alternative answers for each of the question numbering from 01 to 200. The candidate will indicate his/her response to the question by completely darkening the appropriate circle with BLACK BALL PEN. For example question No. 55 in the Test Booklet reads as below :

55. College of Veterinary Science & Animal Husbandry of the Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya is located at:

- (1) Lucknow (2) Mathura (3) Etawah (4) Kanpur

The correct response to this question is (2) i.e. Mathura. The candidate will locate question No. 55 in the answer sheet and darken the circle (2) as shown below :



If the candidate does not want to attempt any question, he/she should not mark (darken) any of the circles given against that question.

The candidate must ensure that the answer sheet is not folded. He/she should not make any stray marks on it as it may discredit him/her during optical scanning for which the candidate would be responsible.

NO CHANGE IN THE ANSWER ON THE OMR IS POSSIBLE ONCE MARKED BY BALL PEN

Example for filling of the OMR Answer Sheet: The detailed instructions for filling of OMR sheet are explained with example at side No.1 of the answer sheet (Annexure I), which should be read very carefully and thoroughly.

Wrong/Incorrect way of marking: If more than one circle is darkened or if the response is marked in the manner other than the required, it shall be treated as wrong way of marking the answer. A lightly, faintly or partly darkened or otherwise marked circle will be treated as wrong method of marking which will be rejected by the Optical Scanner.

15. Procedure to be followed in the Examination Hall :

1. Only admission card, pen and card board are allowed in the examination hall.
2. Handbags, Mobile/Cell phone, pagers, pen drives, calculators, cameras, tape recorders, pen scanners or any other communication or copying devices are not allowed inside the Examination Hall/Room.
3. No candidate shall be allowed to enter the examination hall after the 15 minutes of commencement of the Examination i.e. after 8.15 AM. Candidates who arrive late may be admitted to the examination at the discretion of the centre superintendents but in no case should a candidate be admitted who arrives more than 15 minutes after the commencement of the examination.
4. Before answering the questions, candidates should write their correct Roll Number both in figure and words on the Question Booklets and Roll Number, Category, Sub-category and Code of question booklets and mark proper circles on front side of OMR sheet and on second side put their Name and Signature.
5. Copying down questions by candidates on admit cards or other material will disqualify them from continuing to sit in the examination.
6. No candidate shall be allowed to leave the examination hall/room before completion of the examination time. A candidate may be permitted to leave the hall/room only once for the purpose of toilet use after 75 minutes of the commencement of the examination escort.

7. Before leaving the examination hall/room candidates must hand over the question booklet and the answer sheet to the invigilator.
8. Smoking and use of other intoxicants are strictly prohibited in the examination hall/room.
9. Be careful in marking the answers on OMR sheet because there is no option to change the answer once marked.

16. Method of Selection :

The admission shall be made strictly in order of merit cum reservation based on the aggregate marks obtained by the candidate in main Entrance Examination.

In case of candidates having obtained equal marks in the entrance examination, their inter-se ranking shall be determined on the basis of the following:

1. The aggregate percent of marks obtained by the candidates at the qualifying examination i.e. 10+2,
2. The aggregate of the percent marks obtained in science subjects (physics, chemistry, biology),
3. In case of the candidate, who has obtained equal marks in the aggregate at the qualifying examinations as well as in science subjects, and even other examinations upto high school examinations, the date of birth shall be the basis i.e. the candidate senior in age would rank higher for selection.

C. PGET (Vet) :

- (a) Applications for M.V.Sc. and Ph.D programmes are invited on All India basis. The applications of employed candidates must route through their employer, failing which the same will not be entertained.
- (b) Eligibility for Master's Programme is a bachelor's degree in the respective/related subjects and 6.00/10 or equivalent OGPA/equivalent percentage of marks for general category candidates and 5.50/10 or equivalent OGPA/equivalent percentage of marks for SC/ST/PH category candidates at Bachelor's degree level. Eligibility for Doctoral Programme is a master's degree in respective/related subjects and OGPA of 6.5/10 or equivalent OGPA/ equivalent percentage of marks for general category candidates and 6.00/10 or equivalent OGPA/equivalent percentage of marks for SC/ST/PH category as per guidelines of ICAR.
- (c) Admission to Post-graduate programmes (M.V.Sc. & Ph.D.) shall be made strictly on the basis of their merit in PG Entrance Test. The PG Entrance Test will be held on at University Headquarter, Mathura at 10.00 A.M. The minimum qualifying marks in PGET shall be 50% for MVSc and 60 % for PhD.
- (d) The candidate must have passed B.V.Sc. / M.V.Sc. on or before the counseling date and production of documentary evidence to this effect is essential. The call letters for counseling shall be sent after the test to successful candidates only.
- (e) Mere application by a candidate does not amount to admission in the PG course programme.
- (f) The candidates must not have supplementary/compartamental in the subject in which he is seeking the admission.
- (g) The reservation policy of U.P. Govt. will be followed on the total pooled seats of all the subjects of MVSc.
- (h) There is no age limit for the candidates seeking admission to MVSc and PhD Programmes.

Allocation of Discipline to M.V.Sc. Candidates :

The allocation of the subject/discipline to a candidate shall be made at the time of counseling according to the merit obtained in the entrance test.

D. PGET (Biotech) : (On self finance basis)

a. SCHEDULE OF ENTRANCE TEST AND COUNSELING FOR MVSc/MSc (Biotechnology)

S. No.	Programme	ENTRANCE TEST Date & Time and Venue	Counseling*	
			Date & Time	Venue
1.	MVSc/MSc in Biotechnology	08-07-2012 (3 PM - 4 PM) Veterinary College DUVASU - Mathura	Counseling dates will be declared with the results.	Veterinary Faculty DUVASU Mathura

* Although letter for counseling will be sent to all the candidates who qualify in the Entrance Test, however, even if the letter is not received by the candidate, he is advised to appear for counseling on the basis of results on the date of counseling as mentioned above.

1. Candidates are advised to read the instructions given in the prospectus very carefully. The application form must be completed in all aspects. Incomplete/unsigned/mutilated application form without a clear photograph shall be out rightly rejected and the fees deposited will not be refunded.
2. Original documents and their Photostat copies should not be enclosed along with the application form. Original certificates will have to be produced at the time of counseling.
3. Concealing of any information will be treated as misconduct and the actions shall be taken as per the rules of the University. Admission of such candidate(s) will be cancelled.

b. GENERAL RULES FOR ENTRANCE TEST

1. Applicants having B.V.Sc./B.Sc. Degree with life science (Biotechnology, Microbiology, Biochemistry, Zoology, Botany, Agriculture and Pharmacy) are eligible for the entrance exam for M.V.Sc./M.Sc Biotechnology. The candidates who are appearing in the B.V.Sc./B.Sc. final examination and the results are not yet declared, can also apply, provided they submit their result of passing the qualifying examination at the time of counseling.
2. Admission to M.V.Sc./M.Sc. Biotechnology shall be given on the basis of the merit of the candidates in the Entrance test, however, reservation policy of Govt. of Uttar Pradesh will be followed.
3. No admission shall be given to the candidates, who have been punished for serious offences of immoral turpitude activities by the court of law or against whom such cases are pending in the court of law or who have created disturbances in the examination or used unfair means. Even after the admission of the candidate, if any case of above kind is brought to the notice of University authorities, the admission of such candidates will be cancelled summarily and fee will not be refunded.
4. Admission will be done purely on the Self Finance Scheme as approved by the Hon'ble Executive Council of the University.
5. Candidates will not be allowed for admission in any other whole time or part time course elsewhere.
6. For the candidate admitted to any university course, the class attendance requirements shall be as per VCI or UG and PG academic regulations of the university.
7. Fees do not include mess and food charges.
8. Student has to bear the cost of equipments and chemicals, if he/she damages or spoils the same.
9. Any breach in his/her conduct and discipline will invite his/her termination/expulsion from the University.
10. Executive right is reserved with University.

E. Details Regarding Medical Examination:

The admission shall be subject to medical fitness certificate from the Medical Officer duly appointed or engaged by the University.

F. Payment Of Fees And Other Dues :

The candidates once allotted a seat in any programme of the University shall be required to deposit the fees on the date of admission. The selection of a candidate, who does not deposit the fee after allocation of the subject/ discipline, shall stand cancelled automatically.

G. Details Regarding Question Paper :

(a) **PGET 2012 for admission** in MVSc Programme

1. Duration of question paper shall be of two hours (120 minutes).
2. There will be 200 multiple choice questions with four options for answer of each.
3. The maximum marks for question paper shall be 200.
4. The language of question paper shall be English only.

(b) **PGET (Vet.) 2012 for admission in PhD Programme**

1. Duration of question paper shall be of one hour (60 minutes).
2. There will be 100 multiple choice questions with four options for answer of each.
3. The maximum marks for question paper shall be 100.
4. The language of question paper shall be English only.

(c) **PGET (Biotech):**

1. Number of Seats in Biotechnology Course: 25
2. Qualification: Bachelor Degree in Veterinary Science / Agriculture / Fishery Science / Life Sciences / Biotechnology / Pharmacy
3. Age Limit : Minimum Age: 20 years on 31-12-2012 only for MSc (Biotech)
4. Selection : Through Entrance Examination. In case of candidates having obtained equal marks in the entrance examination, their inter-se ranking shall be determined on the basis of the following :
 1. The aggregate percent of marks obtained by the candidates at the qualifying examination,
 2. In case of the candidate, who has obtained equal marks in the aggregate at the qualifying examinations and even other examinations up to high school examinations, the date of birth shall be the basis i.e. the candidate senior in age would rank higher for selection.
 3. Degree to be Awarded: M.V.Sc in Biotechnology for B.V.Sc & AH Students, whereas M.Sc. Biotechnology for Life Science Graduates.
 4. Duration of the course: Minimum 2 years (4 semesters). If the candidate fails to complete the degree in four semesters, he will have to enroll for the next semester by paying the fee as in 2nd year.
 5. The Entrance test will be basically of the subject to judge the knowledge and aptitude of the candidates in the field of Biotechnology.
 6. The test paper will contain 100 multiple choice question with four options (Objective type)
 7. Medium of Examination / education shall be English.
 8. The result of the Entrance test will be available on University website. (www.upvetuniv.edu.in) and also on the notice board of the University.
 9. The candidates qualifying the test will be called for the counseling for admission to 25 seats on the basis of their merit in the entrance test. Reservation policy of U.P. Govt. will be followed.
 10. Application for M.V.Sc./M.Sc. Biotechnology, are invited on All India basis. The applications of employed candidate must be routed through their employer failing which their application shall not be entertained.
 11. The minimum qualifying marks in the Entrance test will be 50%. For S/C and S/T candidates

qualifying marks in the entrance tests shall be 40%.

12. The candidates must have passed B.V.Sc./B.Sc. on or before the Counseling date. The evidence to this effect is essential at the time of counseling.
13. The Counseling Date(s), time and venue for qualified candidates shall be published along with the results of entrance test on University website (www.upvetuniv.edu.in) and also on the notice board of the University.
14. Mere application by a candidate does not amount to his acceptance by the University for Admission to the Course programme.
15. If seats reserved for the SC/OBC candidates remain vacant after first Counseling, the second Counseling will be done only for the reserved seats. If still there are vacancies then on short term notice of vacant reserved seats, the seats will be filled. If even this attempt also fails, then the seats will be filled up from the candidates of unreserved category on the basis of merit.

SYLLABUS FOR ENTRANCE TEST FOR ADMISSION TO M.V.SC / M.SC IN BIOTECHNOLOGY

1. **CELL BIOLOGY AND GENETICS** : Structure of prokaryotic and eukaryotic cells, cell wall, membranes, cell organelles organization and functions. Chromosome structure and functions, Giant chromosomes, cell division. Principles of Mendelian inheritance, gene concept, interaction of genes, linkage, extrachromosomal inheritance, mutation, chromosomal aberrations and genetic disorders. Developmental biology, reproduction, Gametogenesis, fertilization, embryo genesis, morphogenesis, differentiation and regeneration.

2. **BIOCHEMISTRY** : Chemical bonds, covalent, co-ordinate and hydrogen, Vander Waal's forces, hydrophobic and ionic interactions. Viscosity, thermodynamic principles and their applications in biology. Electromagnetic spectrum and its importance in biology. Techniques- Microscopy, staining, spectroscopy, chromatography, electrophoresis, centrifugation including ultra and gradient centrifugation and tracer isotopes. Structure and functions of proteins, carbohydrates, lipids and nucleic acids. Enzymes: Kinetics, Mechanism of action of co-enzymes. Metabolism, glycolysis, TCA cycle, electron transport and oxidative phosphorylation. Photorespiration, photochemical reactions, photosynthesis. General osmo regulation, active and passive transport across membrane, vitamins, minerals, transport of metabolites, endocrine glands-hormones.

3. **MICROBIOLOGY** : Various types of microscopy, various form of microorganisms. Concept of sterilization and methods of sterilization. Bacterial enzymes, Microbial metabolism. Bacteria, fungi and viruses. Culture of micro organisms. Structure, classification, reproduction, importance of microbes in disease and as tools in bio technology. Cell culture and types of cell culture, techniques of cell culture. Purification and concentration of viruses

4. **IMMUNOLOGY** : Immune system, types of immunity (innate and adaptive), Organs and cell involved in immune system. Antigen- antibody structure and interaction Serological tests. Humoral and cell mediated immunity, regulation of immune responses, immunity to infectious diseases, immunization and immune disorders. MHC, Hypersensitivity, auto immunity. Biomolecules and immune responses. Vaccine preparation and types.

5. **MOLECULAR BIOLOGY AND BIOTECHNOLOGY** : Organization of chromatin, Replication, Prokaryotic and eukaryotic transcription and translation. Structure of DNA and RNA. Regulation of gene expression, Operon. Genetic code, DNA damage and repair, Recombinant DNA technology and applications. Gene cloning, vehicles applications of gene cloning. Amplification of nucleic acids (PCR, RT PCR). Basics of bio-statistics and bio informatics.

Fee Structure for BVSc & AH & MVSc (Vet.) and PhD (Vet.)

A. One Time Dues

A.	Once at the Time of Admission	Under Graduate	Post Graduate (Vet.)	PhD (Vet.)
	Particulars	Amount	Amount	Amount
1.	Magazine fund	50	50	50
2.	Student aid fund	1000	1000	1000
3.	Admission fee	1000	1000	1000
4.	Medical examination	100	100	100
5.	Enrolment fee	100	100	100
6.	Degree fee/ Grade card/ Duplicate degree/ grade card	500	500	500
7.	Provisional degree fee	300	300	300
8.	Placement & Councelling	300	300	300
9.	College Amalgamation	250	250	250
10.	Identity card	50	50	50
11.	Student society fee	100	100	100
12.	Computer Charges	-	500	500
13.	Coution money*	1000	2000	2000
14.	Library security*	2500	2500	2500
15.	Hostel security*	2000	2000	2000
16.	Anti rabies Vaccine	1500	1000	1000
17.	Thesis report fee	-	1000	2500
18.	Thesis viva fee	-	1000	2000
	Total A (Rs.)	10750	13750	16250

Note : * The items are refundable. University reserves the right to change the fee structure / rates at any time or during the course of study.

B. Annual Fee

B.	Annual Fee	Under Graduate	Post Graduate (Vet.)	PhD (Vet.)
	Particulars	Amount	Amount	Amount
1.	Magazine/ News Paper	100	100	100
2.	NCC/ NSS	50	-	-
3.	Library service	300	500	500
	Total (B) Rs.	450	600	600

C. Semester Fee

C.	Semester Fee	Under Graduate	Post Graduate (Vet.)	PhD (Annual)
	Particulars	Amount	Amount	Amount
1.	Tuition	6000	8500	19000
2.	Library	100	500	500
3.	Medical	100	100	100
4.	Games & Sports	200	200	200
5.	Cultural & Entertainment	100	100	100
6.	Laboratory	500	1000	2000
7.	Examination	800	1000	1000
8.	Utensil	25	25	25
9.	Fan	25	25	25
10.	Tour	200	100	100
11.	Extra curricular	300	300	300
12.	Computer fee	100	300	300
	Total (C) Rs.	8450	12150	23650

C. Hostel Fee

C.	Hostel Fee	Under Graduate (Per Semester)	Post Graduate (Per Semester)	PhD (Annual)
	Particulars	Amount	Amount	Amount
1.	Single seated	1500 without electricity	1500 without electricity	3000 without electricity
2.	Double seated	750 without electricity	750 without electricity	1500 without electricity
3.	Hostel maintenance	500	500	500
4.	Common Room	100	100	100
5.	Electricity including cooler charges	1000	1000	1000
6.	Hostel Amalgamation	50	50	50
	Total (D) Rs.	3150/2400	3150/2400	4650/3150
	Grand Total (A+B+C+D) Rs.	22800 /22050	26950 /28900	45150 /43650

FEE STRUCTURE

(for College of Biotechnology under self finance basis)

Table - 1 (One Time Dues)

S. No.	Fee Head (One time dues)	Amount (Rs.)
1.	Magazine	50.00
2.	Student Aid Fund	1000.00
3.	Admission Fee	1000.00
4.	Medical Examination	100.00
5.	Enrollment Fee	100.00
6.	Caution Money (refundable)	2000.00
7.	Hostel Security	2000.00
	Total (Rs.)	6250.00

Table - 1 (Annual Charges for two semesters in each year)

S. No.	Fee Head	Ist Year	IInd Year
1	Tuition fee	100000.00	60000.00
2	Library	1000.00	1000.00
3	Medical	200.00	200.00
4	Games	200.00	200.00
5	Entertainment	200.00	200.00
6	Laboratory	2000.00	2000.00
7	Examination fee	2000.00	2000.00
8	Utensil	50.00	50.00
9	Fan	50.00	50.00
10	Tour	200.00	200.00
11	Extra Curricular	600.00	600.00
12	Lodging charges (including hostel Fee with electricity charges)**	12000.00	12000.00
	Total (Rs.)	118500.00	78500.00

* University reserves the right to change the Fee Structure at any time during the course of study.

** Excluding boarding/mess charges

**NOTE : FEES HAS TO BE DEPOSITED AT THE TIME OF
ADMISSION/REGISTRATION FOR THE YEAR.**

काउन्सिलिंग हेतु अनुदेश

(कृपया ध्यान दें काउन्सिलिंग हेतु अनुदेश में मांगे गये मूल प्रमाण-पत्रों के अभाव में प्रवेश से वंचित कर दिया जायेगा)

बी.वी.एस.सी एण्ड ए.एच पाठ्यक्रम में प्रवेश हेतु काउन्सिलिंग दिनांक 10/07/2012 को प्रातः 09 बजे विश्वविद्यालय के पशु चिकित्सा विज्ञान महाविद्यालय के पुस्तकालय भवन में स्थित **सेमिनार हाल** में की जाएगी। यदि आप निर्धारित तिथि, समय एवं स्थान पर उपस्थित नहीं होंगे तो यह समझा जायेगा कि आप प्रवेश लेने के इच्छुक नहीं हैं। यात्रा में होने वाले विलम्ब के लिए आप स्वयं जिम्मेदार होंगे। अतः काउन्सिलिंग से एक दिन पूर्व मथुरा पहुंचना सुनिश्चित करें। काउन्सिलिंग के दौरान फ्री/पेमेन्ट सीट पर मैरिट के आधार पर ही चयन की कार्यवाही कर प्रवेश दिया जायेगा।

प्रवेश के समय आपको निम्नलिखित प्रमाण-पत्र मूलरूप में लाने होंगे-

1. हाईस्कूल परीक्षा का प्रमाण-पत्र एवं अंक पत्र।
2. इण्टरमीडिएट परीक्षा का प्रमाण-पत्र एवं अंक पत्र।
3. उस विद्यालय जहां से आपने अन्तिम शिक्षा पाई हो, का स्थानान्तरण प्रमाण-पत्र/ट्रान्सफर सर्टिफिकेट/विश्वविद्यालय प्रवजन प्रमाण-पत्र (माइग्रेशन प्रमाण-पत्र)
4. यदि आप अनुसूचित जाति/अनुसूचित जनजाति अथवा पिछड़ी जाति के अभ्यर्थी हैं तो सक्षम अधिकारी द्वारा निर्गत जाति प्रमाण-पत्र (Annexure-B,F)
5. यदि आप सक्रिय सेवा के सैनिक अथवा भूतपूर्व सैनिक के पुत्र/पुत्री हैं तो सक्षम अधिकारी द्वारा प्रदत्त प्रमाण-पत्र (Annexure-E)
6. यदि आप स्वतंत्रता संग्राम सैनानी के पुत्र/पुत्री हैं तो सक्षम अधिकारी द्वारा प्रदत्त प्रमाण-पत्र (Annexure-D)
7. यदि आपके अध्ययन काल में कोई व्यवधान (गैप) हो तो व्यवधान के कारण का स्पष्टीकरण (शपथ पत्र) जो पब्लिक नोटरी द्वारा सत्यापित हो काउंसिलिंग के समय साथ लाये।
8. उत्तर प्रदेश का मूल निवासी होने का प्रमाण पत्र (Annexure-C)। एन.आर.आई के लिये आवश्यक नहीं है।
9. प्रवेश हेतु पी0 वी0 टी0 मुख्य परीक्षा का प्रवेश पत्र अवश्य लावें।
10. यदि आप शारीरिक रूप से विकलांग श्रेणी के अभ्यर्थी हैं तो सक्षम चिकित्साधिकारी द्वारा निर्गत विकलांगता का प्रमाण पत्र साथ लाये (**See Prospectus Note-In Physically handicapped sub category**) तद अनुसार कार्यवाही कर प्रवेश दिया जाना सुनिश्चित किया जायेगा।
11. प्रवेश प्रारूप (Application for Admission) चार प्रतियों में स्पष्ट बड़े अक्षरों में भर कर प्रमाणित रंगीन फोटो चिपका कर साथ लावें एवं प्रत्येक प्रारूप के साथ मूल प्रमाण पत्र की छाया प्रतियां संलग्न करें।
12. पिता/संरक्षक का नवीनतम आय-प्रमाण पत्र वर्ष 2012।
13. प्रोसपेक्टस के (Annexure-H,I) पर अंकित प्रारूपों का अलग-अलग शपथ पत्र पब्लिक नोटरी के द्वारा सत्यापित होना चाहिये काउंसिलिंग के समय साथ लाये।

14. प्रवेशित अभ्यर्थी द्वारा प्रोसपेक्टस में दर्शित प्रवेश शुल्क अन्य मदों में जमा की गई धनराशि किसी भी दशा में प्रवेशित छात्र को विश्वविद्यालय द्वारा वापिस नहीं की जाएगी।

कृपया उपरोक्त प्रमाण पत्रों को, जो आपसे संबंधित हो, अपने साथ अवश्य लावें। इनके अभाव में काउन्सिलिंग से वंचित कर दिये जायेंगे। साथ ही आप यह भी सुनिश्चित कर लें कि आपके द्वारा प्रस्तुत किये गये समस्त प्रमाण पत्र वास्तविक एवं सत्य हों क्योंकि इन प्रमाण पत्रों की जांच करायी जायेगी और यदि आपके प्रमाण-पत्र त्रुटिपूर्ण/फर्जी पाये गये तो आपका प्रवेश रद्द कर दिया जायेगा व आपके विरुद्ध नियमानुसार कार्यवाही की जावेगी।

आपके द्वारा प्रस्तुत किये गये समस्त अभिलेखों एवं आपकी शारीरिक जांच रिपोर्ट को उपयुक्त पाये जाने पर ही आपके प्रवेश पर विचार किया जायेगा। प्रवेश के समय आपको प्रवेश शुल्क, शिक्षण शुल्क एवं अन्य शुल्क के रूप में लगभग 25,000.00 जमा करने होंगे।

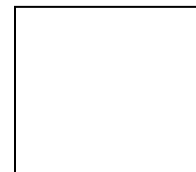
पेइंग सीट पर प्रवेश मेरिट के आधार पर ही होगा तथा फ्री सीटों पर प्रवेश पूर्ण हो जाने के उपरांत पेइंग सीट पर प्रवेश पाने के इच्छुक अभ्यर्थी धनराशि रूपया 2 लाख व विश्वविद्यालय वार्डस के लिये रू0 एक लाख का **(बैंक ड्राफ्ट के रूप में ही स्वीकार होगी)** तथा आप शिक्षण शुल्क लगभग रूपया 25,000.00 की व्यवस्था करेंगे। एन.आर.आई. कोटे में सफल अभ्यर्थी धनराशि **6000 यू.एस डालर** अथवा समकक्ष धनराशि (रूपयों में) तथा शिक्षण शुल्क लगभग रूपया 25,000.00 की अलग से व्यवस्था करेंगे। ड्राफ्ट **वित्त अधिकारी, वेटेरिनरी विश्वविद्यालय, मथुरा** के नाम किसी भी राष्ट्रीयकृत बैंक की मथुरा शाखा में देय होना चाहिए।

विश्वविद्यालय पेमेन्ट सीट/एन.आर.आई. सीट पर प्रवेश के लिये काउंसिलिंग के समय ही उपरोक्त धनराशि तुरन्त जमा करना आवश्यक होगा अन्यथा अभ्यर्थी को प्रवेश न देकर मेरिट में अगले अभ्यर्थी को प्रवेश का मौका दिया जायेगा।

**(भरत सिंह)
कुलसचिव**

U.P.Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidhalaya
Evan Go Anusandhan Sansthan Mathura-281001

**APPLICATION FOR ADMISSION
TO
B.V.Sc.&A.H/M.V.Sc./M.Sc.(Biotech)/Ph.D**



SESSION.....

1. Name of the applicant English (block letters).....
Hindi.....
2. Nationality.....
3. Name of the father and address with occupation.....
.....
4. Name of the guardian and address with occupation.....
(only in case father is not alive).....
5. Mailing address Postal.....
Telephone (Tel No. with STD Code).....
6. Permanent address.....
.....
7. (a) Date of birth.....(b) Age on.....Year.....Month.....Days.....
8. Examinations passed:

Examination	Name of the Institution from where passed	Yr. of passing	Division Obtained	Maximum Marks/or O.G.P.A	Marks/or O.G.P.A obtained	Aggregate percentage or marks obtained or O.G.P.A	Number or attempts
1	2	3	4	5	6	7	8
(I) High School/Higher Secondary							
(II) Intermediate							

- Note:** 1. Whichever is not relevant write NIL.
2. Attach attested copies of certificates and mark sheet of all examinations passed.

9. Name of the Institution last attended.....
10. Have you represent the district or University in a State level competition, if so attached documentary proof.

11. If you belong to any Reserved Category ? (Specify)
 If so, attach a certificate from the Competent Authority to that effect.
12. Have you ever been debarred from any Institution? Yes/No
13. If there is any gap of time after leaving the Institution last attend. How do you account for the intervening period?
14. Total income of guardian/parents.....per month/per year.
15. Details of documents attached 1.....
 2.....
 3.....
 4.....
 5.....

IMPORTANT INSTRUCTIONS

1. Application form should be completed in all respects and must be accompanied by attested copies of all certificates and mark sheet in proof of educational qualifications as also of those supporting claims under 10, 11 and 12.
2. The undernoted declarations should invariably be signed by the student and the parent/guardian of the student, respectively otherwise the application will be rejected outright.

DECLARATION BY THE STUDENT

I hereby declare that I have read the instructions given in the Prospectus and I agree to abide by them.

I also declare that the information furnished by me is correct and no information has been withheld. I understand that withholding of any of the relevant information or giving false information renders me liable to dismissal from the University.

I hereby affirm that, if admitted. I shall strictly abide by all the rules and regulations of the University concerning studies, discipline in the college, hostel, library and any other place inside or outside the University campus. I also undertake that I shall not take part in any act of indiscipline or misbehavior in any form or manner. I shall do my best to uphold the honor, prestige and reputation of the University. I shall devote myself whole heartedly to my studies and assure that, under no circumstances I shall fall below the standards prescribed by the University. I understand that I am liable to be dropped if any academic performance falls below the prescribed standard or if I am found guilty of misbehavior or indiscipline.

Place.....

Signature of applicant in full

Date.....

English.....

Cost : Rs. 1000/-

IMPORTANT PHONE NUMBERS

Registrar	: 0565 2471178 (O)
Controller of Examinations	: 0565 2471706 (O)
Dean, College of Veterinary Sc. & A.H.	: 0565 2471288 (O)
Dean, College of Biotechnology	: 0565 2471718 (O)

E-MAIL

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coeduvasu2001@hotmail.com

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www.upvetuniv.edu.in