कार्यालय कुलसचिव

उ0प्र0 पंडित दीन दयाल उपाध्याय पशु चिकित्सा विज्ञान विश्वविद्यालय एवं गो–अनुसंधान संस्थान, मथुरा–281001(उ0प्र0)।

पत्रांक सं0 2706/यूपीडीडीवीयू/आर/2026 दिनांकः 07 नवम्बर, 2026

प्रदेश के निजी संस्थानों को पैरा पशु चिकित्सा डिप्लोमा पाठ्यक्रमों के संचालन हेतु इस विश्वविद्यालय द्वारा सम्बद्धता प्रदान किए जाने के संबंध में सूचना

उ0प्र0 शासन के आदेश सं0 07/2024/आई/798726/37–30099/8/2023 दिनांक 18.11.2024 के क्रम में उत्तर प्रदेश राज्य के पैरा पशु चिकित्सा के क्षेत्र में निजी संस्थानों के द्वारा पशुपालन के क्षेत्र में डिप्लोमा पाठ्यक्रम संचालन हेतु सम्बद्धता प्रदान किए जाने हेतु इस विश्वविद्यालय को निर्देशित किया गया था। सम्बद्धता प्रदान किए जाने हेतु नियमावली का सम्प्रेषण इस कार्यालय के पत्र सं0 523/यूपीडीडीवीयू/आर/2026 दिनांक 06 जून 2026 के द्वारा विश्वविद्यालय की अधिकृत वेबसाइट पर कर दिया गया था।

उक्त के संबंध में सूचनीय है कि उपरोक्त सम्बद्धता नियमावली, 2025 के विभिन्न प्रस्तरो में मा0 कार्य परिषद द्वारा प्रदान की गई संस्तुतियों के क्रम में नियमावली में संशोधन कर संशोधित नियमावली विश्वविद्यालय की अधिकृत वेबसाइट पर प्रसारित की जा रही है। तद्नुसार सम्बद्धता की समस्त प्रक्रिया संशोधित नियमावली के अनुसार की जाएगी।

यह आदेश सक्षम अधिकारी के अनुमोदनोपरान्त जारी किए जा रहे हैं।

कुलसचिव

The Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura - 281001 UP

Conditions and guidelines for granting and regulating affiliation to any college/institute imparting education for award of 2 years 3 months Diploma in Veterinary Pharmacy and Diploma in Livestock Extension

NOTIFICATION

In exercise of the powers conferred under Section 39 with sub-section(e) of Chapter VIII read with sub-section (1) of Section 25 of Chapter VI of The Uttar Pradesh Pandit Deen Dayal Upadhyay Pashu Chikitsa Vigyan Vishwa Vidyalaya Evam Go-Anusandhan Sansthan Act, 2001, the Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan (hereinafter called 'the University') hereby prescribes the following guidelines for granting affiliation to any college/institute for imparting Diploma in Veterinary Pharmacy/Livestock Extension.

PART I
PRELIMINARY

1. Short title, extent and commencement

a. These may be called "Conditions and guidelines for granting and regulating affiliation to any college/institute imparting education for award of Diploma in Veterinary Pharmacy or/ and Livestock Extension -2024".

b. These Rules shall be applicable to all the colleges/institutes engaged in imparting education or willing to initiate Diploma in Veterinary Pharmacy or Diploma in Livestock Extension and intend to affiliate with this University and are located anywhere within the jurisdiction of the University, i.e., the whole of the State of Uttar Pradesh.

c. These rules shall come into force on the date of their notification.

2. Definitions

a. "Act" means "The Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan Adhiniyam, 2001.

b. "Academic Council" means the Academic Council of the University.

c. "Affiliated College" means any college or institution affiliated to the University in accordance with the provisions of the Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan Adhiniyam, 2001, and the Statutes of this University.

d. "Affiliation" means affiliation (annual provisional or permanent, as the case may be) of any college/institute, by whatever name called, affiliated with the University with respect to the specific academic program.

e. "Executive Council" means the Executive Council of the University.

f. "College/institute" means any college/institute imparting education for diploma course(s), affiliated or desirous to be affiliated with the university.

g. "Director/Principal" of the college/institute means Head of college/institute imparting education for diploma courses, affiliated or desirous to be affiliated with the university.

h. "Faculty" means Faculty of the University.

i. "Government" means the Government of Uttar Pradesh.

j. "Regulations" means the Academic Regulations-2024 for Diploma in Veterinary Pharmacy and Diploma in Livestock Extension and other regulations framed or modified by Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go–Anusandhan Sansthan (DUVASU) from time to time.

k. "Prescribed" means prescribed under these rules.
l. "Registrar" means the Registrar of the University.
m. "Student" means the students admitted to and enrolled in an affiliated college/institute of the University for taking up a course of study for award of Diploma in Veterinary Pharmacy or Diploma in Livestock Extension
n. "Teacher" means a person, by whatever name called, appointed/hired by the affiliated college/institute for the purpose of teaching.
o. "University" means Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go – Anusandhan Sansthan, Mathura, U.P.
p. "Vice-Chancellor" means the Vice-Chancellor of the University.
q. "ICAR" means Indian Council of Agricultural Research, New Delhi.

PART-II
AFFILIATION OF THE COLLEGE / INSTITUTION

1. **Objective**

Whereas, to extend the para-veterinary services in the state, it has been decided to affiliate and set standards for establishment of new colleges/institutes to impart education and training through diploma courses in animal husbandry by the Govt. of Uttar Pradesh vide no. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024, the Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura, as per the provisions under section 25 (Chapter VI) " of the Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Adhiniyam 2001, hereby lays down the guidelines for granting of and, regulations for affiliation to college/institute to impart education for award of Diploma in Veterinary Pharmacy and/ or Diploma in Livestock Extension.

2. Eligibility Criteria for Affiliation (Uttar Pradesh Govt. order no. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024)

2.1 A society/Institution/Trust/Company registered under the "Uttar Pradesh Societies Registration Act, 1976" or "Indian Trusts Act, 1882" or the "Company Act, 2013"shall be eligible to apply for affiliation of a private college or an institute run by it.

2.2. It is mandatory that before approaching the University for affiliation, the applicant society/ Institution/ Trust/ Company should have duly appointed qualified veterinary academician as Principal so that interactions on technical matters can be made for better understanding of the academic programs and shall be subject to verification during affiliation process. Following affiliation, subsequent appointment shall be governed by the selection procedures as prescribed for Institute of Para-Veterinary Sciences, Mathura

2.3 The applicant college/institute must furnish a "No Objection Certificate" (NOC) from the Government of Uttar Pradesh to start a new college/institute to impart education for award of Diploma in Veterinary Pharmacy and/or Diploma in Livestock Extension. The NOC is only an in principle permission of the state government to approach University for affiliation and does not confer any legal right on any institution to be affiliated to the University unless it is found to be fulfilling all the eligibility conditions prescribed for such affiliation

2.4 The college/institute should possess the minimum land area, other infrastructure and facilities required for establishing a private diploma college as per the norms prescribed by the Uttar Pradesh Govt. Order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024.

2.5 For the applicant society/ Institution/ Trust/ Company seeking affiliation for the first time, selection for recruitment of the teachers in the college/ institute should be through

advertisement of post and through selection committee and shall be subject to verification during affiliation process. Following affiliation, subsequent appointment shall be governed by the selection procedures as prescribed for Institute of Para-Veterinary Sciences, Mathura

2.6 For the applicant society/ Institution/ Trust/ Company seeking affiliation for the first time, will have to appoint adequate non-teaching staff as per the qualifications of the non-teaching staff of the Institute of Para-Veterinary Science of the University and shall be subject to verification during affiliation process. Following affiliation, subsequent appointment shall be governed by the selection procedures as prescribed for Institute of Para-Veterinary Sciences, Mathura

3. Application procedure for Affiliation

3.1 An affiliation to any new college/institute shall be granted by the University annually after satisfying all the requirements as per the conditions prescribed under these guidelines.

3.2 The applicant society/Institution/Trust/Company shall ensure fulfilment of all the conditions as laid down in Uttar Pradesh Govt. Order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024, and No Objection Certificate (NOC) from the Government of Uttar Pradesh before approaching the University for grant of affiliation.

3.3 The applicant society/Institution/Trust/Company shall submit a request for affiliation on the prescribed application form as per (**Annexure-II**). Detailed information shall be available at University Website/Registrar office, DUVASU, Mathura

3.4 The applicant shall submit an affidavit as per **Annexure-III** of these guidelines on a non-judicial stamp paper of ₹1000.00.

3.5 For provisional affiliation, the applicant society/ Institution/ Trust/ Company should submit security money to the state govt of Rs. Rs. Twenty lakhs (Rs. 20.00 lakhs) and a fixed deposit receipt of Rs Ten lakhs only (Rs. 10.00 lakhs) valid for 3 years as security money in the name of Finance Officer of the University, thereby making a total security deposit of Rs, Thirty lakhs (Rs. 30.00 lakhs) The amount of security money will be revised time to time by the University keeping in view the fee deposited and projected expenditures to secure the interests of the students as per clause 8.5 and 8.6 of these regulations.

3.6 In case the college/institute fails to fulfil all the requirements and conditions laid down under these regulations, the bank guarantee shall be impounded by the University and the students studying in that college/institute shall be transferred by the University to other affiliated or constituent college of the University and the expenses for such arrangements will be met from the said bank guarantee keeping in view the future of on-roll students.

3.7 A duly completed application form on prescribed format, along with the necessary documents (in five copies with all supporting documents duly stamped and signed on each page) shall be submitted to the University, along with a prescribed non-refundable processing fee of ₹ 1,00,000.00 (Rupees One lakh only).

3.8 The application for affiliation should be filed by 30th June of the preceding academic session so as to provide sufficient time to the University to process, inspect and make its recommendations. Application shall be valid only for one academic session.

4. PROVISIONAL AFFILIATION

4.1 Procedure for granting Annual Provisional Affiliation

4.1.1 Application for affiliation shall be made on the prescribed format. If the applicant fails to obtain affiliation of the University to start college by giving admission to the first batch of students in that session, it shall have to apply afresh for the next

academic session by obtaining fresh prescribed application form and depositing the prescribed application processing fee.

4.1.2 The applicant society/ Institution/ Trust/ Company shall deposit security money to the state govt of Rs. Twenty lakhs (Rs. 20.00 lakhs) for issue of No Objection Certificate. The institute shall have to provide a fixed deposit receipt of Rupees Ten lakhs only (Rs. 10.00 lakhs) valid for 3 years in the name of the Finance Officer of the University along with proof of deposit of Rs. Twenty lakhs (Rs. 20.00 lakhs) at the time of application for affiliation, thereby making a total security deposit of Rs. Thirty lakhs. The Security money is refundable however; the interest on FDR should accrue in the name of Finance Officer of University. For renewal of affiliation after completing one cycle of affiliation, the FDR should be renewed for 5 years. The amount of security money will be revised time to time by the University keeping in view the fee deposited and projected expenditures for securing the interests of the students as per clause 8.5 and 8.6 of these regulations.

4.1.3 After completing the requirements as per "Conditions laid down by Uttar Pradesh Govt. Order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024, along with NOC from the Government, and fulfil the guidelines for granting affiliation to the college/institute imparting education for Diploma in Veterinary Pharmacy and / or Diploma in Livestock Extension framed by the University," the Trust/Society shall submit its application along with a non- refundable processing fee to the Registrar, of the University.

4.1.4 The University, after preliminary evaluation of the application submitted for affiliation shall invite the applicant to make a presentation (accompanied with VIDEO/CD of the created infrastructure) at the University headquarters, before a committee constituted by the competent authority of the University. If the infrastructure/facilities are not found as per prescribed guidelines, the applicant shall be communicated during the presentation and in writing too. In such a case, the applicant shall have to develop adequate facilities and remove the deficiencies and make a fresh presentation before the committee. Hard and soft copies of presentation must be submitted by the applicant to the University before making presentation.

4.1.5 The Committee will conduct a physical verification of infrastructure/facilities and human resources, and submit its report to the Academic Council for perusal and approval. Any deficiencies or discrepancies will be communicated to the applicant for rectification. The applicant must submit a point-by-point response and rectify the shortcomings. A re-inspection will be conducted by the committee after rectification, for which a processing fee of ₹ 1,00,000.00 (Rupees One lakhs only) will be applicable. The applicant will be solely responsible for ensuring all affiliation requirements are met. The report shall be resubmitted to the Academic Council of the University for perusal and approval.

4.1.6 The report, together with the recommendations of the Academic Council, shall be presented to the Executive Council for its consideration and decision, in accordance with the provisions of the Act. The Executive Council's decision shall be subject to the approval of the Chancellor, to whom the recommendations shall be submitted for necessary sanction. The Chancellor's approval shall be final and binding.

4.1.7 Upon admission for affiliation, the applicant shall be required to deposit an affiliation fee of ₹ 3,00,000.00 (Rupees three lakh only) within the stipulated time frame. Upon receipt of the fee, the University shall issue orders for provisional affiliation.

4.1.8 However, University shall not be responsible for any kind of delay in affiliation, due to any reason.

PART-III
ADMISSION OF STUDENTS

5. Admission of the students

5.1 The applicant institution shall not start any academic activity, including advertisement for admission under any circumstances before being formally affiliated with the University.

5.2 The total number of seats allocated for each Diploma program offered by the affiliated college/institute, namely Veterinary Pharmacy and Livestock Extension, shall be sixty (60) seats per programme, with fifty percent (50%) of the total seats, reserved under the State Quota.

5.3 Admission to diploma courses in the affiliated college/institute will be on the basis of an Entrance Test/Examination conducted by the University. Candidates desirous of seeking admission in the affiliated institution shall have to apply to the university for admission as per procedure given in the prospectus of that particular academic year. If the seats remain unfilled/vacant in the affiliated institutions after the merit list of the common entrance examination, the same may be filled through *special counselling* conducted by the University on the basis of the merit performance of the candidates in 10+2/ Intermediate/ Class XII.

5.4 No candidate shall be admitted without merit arising from the Entrance Test/ Examination, except under special counselling, described above.

5.5 The process of registration and counselling for admission to the Diploma courses offered by the affiliated institutions shall be conducted by the Registrar of the University, who will organize the same through an online or offline mode, as deemed fit, and the requisite fees shall be deposited into the account of the University, in accordance with the provisions outlined in the prospectus for the relevant academic year.

5.6 Students admitted to the affiliated college/institute shall be required to pay fees at the same rate decided by the university from time to time.

5.7 The reservation policy of the Government of Uttar Pradesh shall be applicable on all seats.

5.8 However, University shall not be responsible for any or all seats remain unfilled due to any reason.

PART-IV
SUBSEQUENT AFFILIATION

6. **Procedure for Subsequent Affiliation**

6.1 The society/Institution/Trust/Company of the college/institute, upon being granted initial affiliation, shall be required to submit an application for subsequent affiliation prior to the completion of the first semester, thereby enabling the completion of affiliation formalities before the end of the second semester.

6.2 For subsequent affiliation, the institution shall submit a fresh application in the format prescribed in Annexure II.

6.3 An application fee of ₹ 1,00,000.00 (Rupees One lakh only) is to be remitted in favour of Finance Officer of the University.

6.4 The subsequent affiliation will follow the same procedure as laid down in para 4.1.4 to 4.1.7 above.

6.5 The institution shall not issue any advertisement for admission to any academic programme pending renewal of affiliation.

7. Permanent affiliation to a college/institute –

7.1 A society/Institution/Trust/Company of the college/institute shall be eligible to apply for permanent affiliation after successfully completing one full cycle of the diploma program, by submitting the application in the prescribed format, which can be obtained from the University.

7.2 A college granted permanent affiliation shall be liable to be inspected by a committee constituted by the Vice Chancellor of the University, at least once every five years, and a fee of ₹ 10,00,000/- (Rupees Ten Lakhs) shall be applicable for such an inspection.

PART-V
WITHDRAWAL OF AFFILIATION

8. Withdrawal of Affiliation

8.1 The Permanent Affiliation/Annual Provisional Affiliation granted to a college/institute shall be withdrawn if the college/institute fails to comply with any of the provisions/ requirements of affiliation or directions therefor, specified by the University.

8.2 The University reserves the right to withdraw, suspend, or modify the privileges granted to a college or institute through affiliation, either in part or in full, if it is found, after due inquiry, that the institution has failed to comply with the provisions of the Act, Statutes, rules, regulations, or any directives or instructions issued by the University. Such action may also be taken if the institution has failed to adhere to the conditions of affiliation or has compromised academic and administrative standards, thereby prejudicing the interests of the University, by ignoring its rules and regulations.

8.3 If an affiliated college/institute ceases to operate, relocates to a different site, or is transferred to a new Society, Trust, individual, or group of individuals without obtaining prior approval from the University, the affiliation granted to the institution shall automatically stand withdrawn. In such cases, the University shall take suitable measures to address the academic future of the affected students. Furthermore, the bank guarantee furnished by the applicant, as specified in paragraph 3.5, shall be confiscated by the University.

8.4 The University reserves the right to initiate an inquiry into the affairs of a college/institute, either on its own initiative (*suo moto*) or based on a complaint, information, or report from any source. After providing the institution with a reasonable opportunity to be heard, the University may pass an appropriate order, which may include withdrawing, suspending, or modifying the affiliation privileges or prohibiting the college or institute from presenting any student for the award of the concerned diploma(s).

8.5 If the University decides to withdraw the affiliation of a college/institute, or if the affiliation is suspended or withdrawn by the University's order, such a decision shall not adversely impact the interests of the students. The University shall take appropriate measures to safeguard the academic future of the affected students. The bank guarantee furnished by the institution, as specified in paragraph 3.5, shall be confiscated by the University to address the concerns related to the students' future.

8.6 If a college/institute fails to meet requirements or implement adequate remedial measures, the University shall submit a report to the Academic Council recommending withdrawal of affiliation. The Academic Council's decision shall be forwarded to the Executive Council for approval. The Executive Council may provide a hearing to the college/institute, if deemed necessary. If the Executive Council decides to withdraw affiliation, it shall inform the Government about the college's/institute's failure to

comply with the guidelines and recommend shifting students to another affiliated or constituent college, and confiscate the bank guarantee.

8.7 Upon the Executive Council's recommendation, the Chancellor may withdraw or curtail the privilege of affiliation, resulting in the institution being deemed de-affiliated.

PART-VI
FEE STRUCTURE

9. University fee structure-

9.1 Students admitted to the affiliated college/institute under the state quota, shall pay fees as prescribed by the University in accordance with article 4.10 of the Uttar Pradesh Govt. Order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024.

PART-VII

10. Criteria for establishment of any college/institute imparting education for award of Diploma in Veterinary Pharmacy and Diploma in Livestock Extension

10.1 The criteria for establishment of any college/institute imparting education for award of Diploma in Veterinary Pharmacy and Diploma in Livestock Extension shall be as laid down in article 2 the Uttar Pradesh Govt. Order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024.

PART VIII

11. ACADEMIC REGULATIONS

11.1 Instructions

The medium of instruction will be English and semester system will be followed.

11.2. Academic Year and Calendar

Each Academic year will comprise of two semesters. The academic calendar as notified by the University will be applicable to all the college (s)

11.3 Advisory System

11.3.1 Every student admitted to the course of para veterinary science will be allotted an advisor amongst the faculty of the College. The same advisor shall continue to look after the interest of the students and will give personal guidance on academic and administrative matter still the student completes the program.

11.3.2 The director/ principal of the institute shall appoint any teacher as a class teacher for diploma classes for each session and class.

11.4. Residential requirements for the award of diploma

11.4.1 The minimum residential requirements and the maximum permissible time limit for the completion of diploma shall be as under:

Diploma	Minimum Semesters	Maximum Semesters
DVP	04	08*
DLE	04	08*

*After successful completion of 4 semester (2 years) course work, the candidate has to undergo a 3 months' compulsory rotatory internship program.

11.4.2 The washed out on account of use of unfair means or failure to register in time or withdrawal or dropping by the student of his/her own or on medical grounds, or any other reasons whatsoever, shall be counted towards the maximum permissible time limit of semesters.

11.4.3 If a student fails to complete his/her program successfully within the maximum time limit prescribed for the program i.e., 8 semesters (Double the time period of

minimum time allowed for completion of diploma programme), he/she shall cease to be a student at this university and hence shall be ineligible for the award of a diploma.

11.5. Attendance Requirement

11.5.1 Students must maintain a minimum attendance of 75% for theory and practical classes separately, calculated from the date of commencement of classes as per the academic calendar, with no exceptions or benefits granted for late admission.

11.5.2 Teachers shall maintain a record of student attendance for each course (theory and practical) in a register and inform students with insufficient attendance on a monthly basis in class and through the institution/college notice board.

11.5.3 Upon completion of each semester, the course teacher shall prepare and submit a consolidated statement of attendance to the Director/Principal. The Director/Principal shall then forward a list of students who have fulfilled the requisite attendance criteria of 75% to the Controller of Examinations (COE), of the University.

11.5.4 Students falling short of 75% attendance shall not be allowed to appear in the semester examination.

11.6. Examination and preparation of results

11.6.1. The examination process is designed to assess a student's level of competence, with a greater emphasis on practical aspects of the curriculum. At the end of each semester, an internal examination will be conducted, comprising both theory and practical components.

11.6.2. The theory examination will be conducted by the COE of the University.

11.6.3. The date sheet for theory and practical examination will be notified by the COE.

11.6.4 The question papers shall be prepared at least 15 days before the examinations by the teachers appointed by the examination committee.

11.6.5 The same question paper will be used across all institutes on same examination dates.

11.6.6 The theory question paper shall be of two-hour duration shall comprise of 50% objective (40 minutes) and 50% subjective (80 minutes).

11.6.7 The practical examination will commence immediately after the theory examination. Each institute/college will conduct the practical examination according to the date sheet notified by the COE.

11.6.8 The Examination Committee shall appoint observers to oversee the conduct of examinations, which shall ensure the integrity and fairness of the examination process and submit a confidential report to the COE.

11.6.9 The concerned teacher shall submit the marks obtained by students in theory and practical examinations to the COE through the respective Principal/Director alongwith evaluated note books, separately for each course, for inclusion in the student's transcript. The evaluated note books will be retained in the office of the COE.

11.6.10 The marks obtained in theory and practical examinations shall be recorded separately in the transcript of each student against the corresponding course.

11.7 Evaluation of answer sheets/books of semester examination:

The answer sheet/books shall be evaluated by the course teacher. The course teacher will evaluate the answer books and marked answer books will be shown to the student concerned. The marks obtained in the theory and practical will be entered in the prescribed mark sheets and ensure that the result reaches the COE within 5 days from the date of conduct of respective examination through Director/Principal of concerned college/institute.

12. Passing Percentage

12.1 A student shall be required to secure a minimum of 40% marks separately in

both theory and practical examinations to pass. If a student fails to meet this requirement, he/she shall be eligible to appear in the compartment examination, which shall be conducted within 15 days of the declaration of semester results. The student shall submit an application to appear in the compartment examination along with the prescribed fee of ₹ 1,000.00 (Rupees One Thousand only) per course. A student shall be permitted to appear for compartment examinations in not more than six courses in an academic year. There will be no provision of grace marks.

12.2 A student failing in seven or more courses in the first year shall not be promoted to the second year and shall be required to repeat the entire first-year course. A student failing in six or fewer courses in a year shall be promoted to the next year. Such courses, the student shall be offered to him/her in the subsequent semester, concurrently with the courses of the semester in which they are registered, subject to a maximum of six credit hours. In no case shall a student be permitted to undertake more than 23 credit hours in a semester.

13. Marks Allocation, Grading, Calculation of Grade Point Average and Overall Grade Point Average

13.1 Each course shall carry a total of 100 marks. For courses comprising both theory and practical components, the marks shall be distributed as 50 marks for theory and 50 marks for practical. For courses consisting of only theory or only practical, the total marks shall be 100.

13.2. To pass a course, a student shall be required to obtain a minimum of 40% marks in both the theory and practical components separately.

13.3. No marks shall be entered in the transcript against a course in which the student fails to secure a minimum of 40% marks in either the theory or practical component, and the student will be marked as "Fail" in that particular course.

13.4. The student would be required to register for the complete course even if he/she has failed in one of the component, in subsequent semester, whenever offered and pass the course.

13.5. Decimal values between 0.5 and 0.99 shall be rounded to the next higher whole number while those between 0.01 and 0.49 shall be ignored.

14. Grading and grade point average

14.2. The Grade Point (GP) for a course shall be calculated by dividing the total marks obtained by a student out of 100 by 10.

14.3. The Credit Point (CP) for a course shall be calculated by multiplying the Grade Point (GP) by the credit hours assigned to the course.

14.4. The Total Credit Points shall be calculated as the sum of credit points secured by a student.

14.5. The Semester Grade Point Average (SGPA) shall be calculated by dividing the sum of Total Credit Points earned in a semester by the sum of credit hours offered by the student in that semester.

14.6. The Cumulative Grade Point Average (CGPA) shall be calculated by dividing the sum of Total Credit Points earned up to the current semester by the sum of credit hours offered by the student up to the current semester.

14.7. The Overall Grade Point Average (OGPA) shall be calculated by dividing the sum of Total Credit Points earned during the entire diploma program by the sum of credit hours of the diploma program.

15. Division and distinction

15.1. Pass: OGPA of 4.000 to 4.999

15.2. Pass with second division: OGPA of 5.000 to 5.999

15.3. Pass with first division: OGPA of 6.000 to 7.999
15.4. Pass with first division with distinction: OGPA of 8.000 and above

16. Preparation of Result

16.1. The results shall be tabulated by the office of the Controller of Examinations based on the award lists submitted by the examiners.
16.2. The tabulation work shall be completed within 7 days from the date of receipt of the last award list from the examiners.
16.3. The tabulation after collation will be presented to examination committee for its approval.

17. Declaration of results

The office of the Controller of Examinations shall declare the semester results after the approval of the Examination Committee, and such declaration shall be made before the commencement of the next semester.

18. Transcript/Mark sheet

The office of the Controller of Examinations shall enter the marks obtained by students in theory and practical examinations into the computer system and maintain a hard copy of the marks in registers. At the end of each semester, the office of the Controller of Examinations shall prepare and issue semester mark sheets to the students, with a copy to the respective Principal/Director of the institute offering the diploma program. The Controller of Examinations shall issue a composite academic transcript to each student, upon completion of the diploma program, which shall include the student's latest photograph and serve as a comprehensive record of the student's academic performance throughout the diploma program.

19. Character Certificate

The Director/Principal of the Institute of Para Veterinary Science shall issue a Character Certificate to the concerned student upon successful completion of the diploma program

20. Diploma Certificate

The University shall issue a Diploma Certificate to the concerned student upon successful completion of the diploma program. The name of the institute shall be mentioned on the certificate.

IX COURSE CURRICULUM

21. Curriculum of Diploma Program

Diploma programmes offered by the University are:

a) Diploma in Veterinary Pharmacy
b) Diploma in Livestock Extension

22. The prescribed syllabus/courses along with credit hours for each course shall be as under:

22.1.Semester wise Courses for Diploma in Veterinary Pharmacy

Semester I		
DVP-111	Anatomy of Livestock and Poultry	0+2
DVP-112	Introduction to Livestock Management	1+2
DVP-113	Introduction to Livestock Breeds and Economic traits	2+1
DVP-114	Basics of Animal Nutrition and Health	2+1
DVP-115	Basics of Animal Physiology	2+1

DVP-116	Elementary Microbiology	1+1
	Credit Hours	**8+8**
Semester II		
DVP-121	Fundamentals of Computer and its application	0+2
DVP-122	Basics of Clinical Pathology	1+2
DVP-123	Elementary Parasitology	2+1
DVP-124	Fundamentals of Pharmacology	1+2
DVP-125	Introduction to Clinical Biochemistry	2+1
DVP-126	Introduction to Veterinary Gynaecology and Obstetrics	2+1
Sports and Games and Remount Veterinary Squadron National Cadet Corps (NCC) shall be non-credit (0+1) training programmes. NCC training programme shall be of two years; whereas Games and Sports in each semester for I year students only. Training programmes shall be optional. Students can opt for only one of them.		
	Credit Hours	**8+9**
Semester III		
DVP-211	Basics of Clinical Veterinary Medicine	2+1
DVP-212	Introduction to Veterinary Andrology and Artificial Insemination	2+1
DVP-213	Introduction to Animal Husbandry Extension	1+1
DVP-214	Preliminary Surgical Procedures and Care	1+2
DVP-215	Community Veterinary Pharmacy	2+1
DVP-216	Basic Concepts of Pharmacy and Toxicology	2+1
	Credit Hours	**10+7**
Semester IV – Hands on Trainings		
DVP-221	Veterinary Pharmacist Jurisprudence	1+0
DVP-222	Practical Laboratory Diagnosis	0+3
DVP-223	Clinical Pharmacy	0+3
DVP-224	Veterinary Hospital Pharmacy	0+3
DVP-225	Farm Management Practices	0+3
DVP-226	Exposure to Polyclinics	0+3
	Credit Hours	**1+15**
	Total Credit Hours	**27+39=66**
Internship **Every student of Diploma in Veterinary Pharmacy Programme shall be require after passing the IV semester to undergo compulsory rotatory internship to the satisfaction of the university for a minimum period of the 3 months.**		

22.2. Semester wise Courses for Diploma in Livestock Extension

Course No.	Name of the course	Credit Hours
Semester I		
DLE-111	Introduction to Anatomy of Livestock and Poultry	0+2
DLE-112	Introductory Livestock Production and Management	1+2
DLE-113	Basic concept of Animal and Poultry Breeding	2+1
DLE-114	Introduction to Animal Nutrition	2+1
DLE-115	Basics of Animal Physiology	2+1
DLE-116	Basics of Livestock Microbiology	2+1
	Total Credit Hours	**9+8**
Semester II		
DLE-121	Introduction to Computer and its Application	0+2
DLE-122	Introduction to Livestock Product and its Processing	1+2
DLE-123	Basics of Livestock Parasitology	2+1
DLE-124	Introductory Pharmacology	1+2
DLE-125	Fodder Production I	0+3
DLE -126	Poultry Production	0+3
Sports and Games and Remount Veterinary Squadron National Cadet Corps (NCC) shall be non-credit (0+1) training programmes. NCC training programme shall be of two years; whereas Games and Sports in each semester for I year students only. Training programmes shall be optional. Students can opt for only one of them.		
	Total Credit Hours	**4+13**
Semester III		
DLE -211	Basics of Livestock Medicine	2+1
DLE -212	Introductory to Veterinary Gynecology and Obstetrics	2+1
DLE -213	Introduction to Animal Husbandry Extension Education	1+2
DLE -214	Elementary Surgical Procedures	1+2
DLE -215	Introduction to Veterinary Andrology and Artificial Insemination	1+1
DLE -216	Fodder Production II	0+3
	Total Credit Hours	**7+10**
Semester IV – Hands on Trainings		
DLE -221	Extension Activities in Animal Husbandry including survey, data collection and analysis	0+2
DLE -222	Acquaintance to Veterinary Hospital	0+3
DLE -223	Practical Training in Clinical Practice	0+3
DLE -224	Acquaintance to Dairy Farm	0+3
DLE -225	Acquaintance to Poultry/Goatry/ Piggery / Stud Farm	0+3
	Total Credit Hours	**0+14**
	Gross Credit Hours	**20+45**
Internship **Every student of Diploma in Livestock Extension Program shall be require after passing the IV semester to undergo compulsory rotatory internship to the satisfaction of the university for a minimum period of the 3 months.**		

23.Course Curriculum (Syllabus) details

23.1Diploma in Veterinary Pharmacy

23.1.1 Semester I

Anatomy of Livestock and Poultry (DVP-111) (0+2)

Introduction to skeletal system and its joints, digestive system, respiratory system, uro-genital system, circulatory system, nervous system and superficial lymph nodes including the sense organs.

Introduction to Livestock Management (DVP-112) (1+2)
THEORY
Terminology related to Cattle, Buffalo, Sheep, Goat, Equine, Camel and pig management; their classification based on utility. Knowledge about exotic and cross bred cows. Care of animals during and after parturition, housing of animals, calf rearing, care of newborn calf, routine management practices like grooming, washing, dipping, casting and shearing, exercising, castration, dehorning and debudding. Raising and feeding of farm animals. Signs of health in different animals. Care of sick animals. Milking management. Control of animal vices. Importance of poultry farming and backyard poultry in rural India. Elementary knowledge of incubation and hatchery management, Management of chicks, growers and layers. Poultry housing and feeding. Vaccination against livestock and poultry diseases.
PRACTICAL
External body parts of different animals. Methods of approaching and handling of animals. Milking farm animals. Methods of age judging, grooming, identification, debudding, drenching of animals, casting and restraining of farm animals. Feeding of dairy animals. Methods of recording temperature, pulse and respiration, Record keeping and routine farm operations like incubation and hatching, fumigation, candling, wing banding, leg banding, brooding of chicks; litter management, feed mixing cavitations, debeaking and record keeping. Bio-security measures to prevent the contagious diseases in poultry farming, compost making, cleaning and disinfection of animal house.

Introduction to Livestock Breeds and Economic Traits (DVP-113) (2+1)
THEORY
Livestock Census, Introduction to various breeds of cattle, buffalo, sheep, goat, horse, camel, pigs and poultry. Concepts of their classification with economic characters. Various types of livestock records with their importance. Procedures and objectives of culling. Schemes of livestock improvement in country. Breeding – definition and importance. Variation, sources of variation, implication. System of breeding, in-breeding, close breeding, line breeding, out breeding and cross breeding.
PRACTICAL
Identification of breed characters. Maintenance of records including breeding records related to farm and dairy animals. Judging of animals. Procedures for the culling of livestock and poultry. Visit to cattle breeding farms. Analysis of breeding records of different livestock farms. Procedures for the culling of livestock and poultry. Methods of selection of dairy animals and breeding bulls.

Basics of Animal Nutrition and Health (DVP-114) (2+1)
THEORY
Composition of animal body and plants, Nutritional terms and definitions. Carbohydrates their digestion, absorption and metabolism in ruminants, and non –ruminants. Protein and amino acids- their digestion absorption and metabolism in ruminants, and non –ruminants. Significance and metabolism of Lipids and fats in animals. Mineral elements and their function and deficiency symptoms. in livestock and Poultry Importance of vitamins, their deficiency symptoms, feed additives- commonly used feed additives in livestock and poultry. Toxic compounds/ harmful constituents present in the feed and fodder and their methods of removal/ detoxification. Elementary description of nutrients and their

requirements for maintenance, growth, reproduction, lactation, egg Production, wool production and work production . Ration balancing and feed formulation, General principles of feeding and common practices for different categories of livestock. Common feed and fodder, their classification. Fodder preservation as silage and hay. Nutritional deficiency diseases and Feeding schedules for farm animals, pets and poultry under stress/ diseases/ deficiency conditions.

PRACTICAL

Elementary knowledge of computation of ration for different types of live-stock and poultry. Familiarization of various feed stuff, fodder and their selection. Silage and hay making. Elementary knowledge about common nutritional deficiency diseases Visit to feed factory.

Basics of Animal Physiology (DVP-115) (2+1)

THEORY

Elementary knowledge of physiological functions of various organs of livestock and poultry. Clinical relevance of physiological parameters. Functional anatomy of digestive tract of monogastric and ruminant animals, prehension, mastication, deglutition, movements of stomach, small intestine and large intestine. Rumination. Defecation. Physiological functions of various organs of animals and poultry. General function of blood, blood cells, plasma and serum and calcium homeostasis. General physiology of urinary system, general physiology of male and female reproductive system, let down of milk. Physiology of body fluids. Hormones related to male and female reproductive system.

PRACTICAL

Recording of various physiological parameters of domestic animals and poultry. Estimation of haemoglobin. Counting of RBC, WBC and ESR in blood. Interpretation of physiological parameters. Collection of blood samples from various animals and poultry. Preservation of defibrinated blood. Counting of rumen mobility. Physiological constituents of urine - estimation of titrable acidity in urine.

Elementary Microbiology (DVP-116) (1+1)

THEORY

Microscopy. Morphology and structure of bacteria, shape, size and arrangement of bacteria, morphological variations. Cultivation of bacteria, Isolation of bacteria in pure culture, cultural characteristics on solid medium, aerobic and anaerobic cultivation and identification of bacteria. Sources of infections. Methods of transmission of infections. Sterilization, disinfection, Introduction to fungi. General properties of virus, source of infection, methods of transmission of infection. Bacterial, fungal and viral diseases.

PRACTICAL

Microscopy and routines slide preparation and staining, Preparation and Sterilization of reagents and media. Cultural and morphological characteristics of bacteria and fungi, Sterilization, disinfection, evaluation of disinfectants, asepsis, etc., Equipment and its sterilization. Antibiotic sensitivity test. Sterility testing of pharmaceuticals.

23.1.2 Semester II

Fundamentals of Computer and its Application (DVP-121) (0+2)

Basics of computer including components of a computer. Types of computers, Hard ware and soft ware. Types of memories, control units. Inputs and outputs. Execution of a Programme; data types, simple programmes, Use of computer in Epidemiology, use of computer in farm, use of computer in Veterinary Hospital. Graphics. Computer basics-key board, function keys, escape key, control key, shift key, underscore key, enter key,

cursor, backspace, end, home, Pg up, Pg dn etc. Simple operations/ programmes. Saving of data. Entering biological data into computer. Access data, analysis using data base, Retrieving data for printing, print controls. ANOVA formulation, Basics of networking.

Basics of Clinical Pathology (DVP-122) (1+2)

THEORY

Introduction to Pathology- definitions. Common terminologies of Pathology health, disease, etiology, pathogensis, symptoms, sign, lesions, diagnosis, incubation period, prognosis morbidity, mortality, autopsy and biopsy. Causes of diseases. Developmental disturbances, anomalies and monsters. Disturbances of circulation. Disturbances of cell metabolism, necrosis, gangrene and post-mortem changes. Disturbances in growth. Inflammation: definition, aetiology, classification and cardinal signs. Immune reactions, hypersensitivity and auto-immunity.

PRACTICAL

Gross study of pathological specimens and recognition of gross pathological lesions. Collection of morbid materials, techniques of preservation and dispatch. Blood collection; Smear making and staining; Basic microscopy. Complete blood count, Urine examination.

Elementary Parasitology (DVP-123) (2+1)

THEORY

Introduction of Parasitology, Classification of parasitology, Types of parasites. Introduction of endo- and ecto -parasites. Economic importance of parasitic diseases of livestock and poultry.; Prevention and control of diseases caused by protozoa (*Coccidia, Theileria, Babesia*) Trematodes (*Fasciola gigantica*, Amphistome, Blood flukes) Cestodes (*Moniezia, Taenia solium*) nematodes (*Ascaris suum, Haemonchus contortus*) and arthropods (Ticks and mites) of livestock; Parasites of zoonotic importance and their control. Important insects, Ticks and Mites of Livestock, their life cyle, mode of transmission and control measures.

PRACTICAL

Identification and Demonstration of endo-and ecto-parasites; Collection of samples, Preparation of slides from skin, faeces and blood. Faecal examination and demonstration of eggs/oocysts of parasites. Blood and skin scrapping examination. Preparation of blood smears, their staining and examination of slides for haemoprotozoan parasites. Methods of collection, fixation, preservation and mounting of protozoan parasites.

Fundamentals of Pharmacology (DVP-124) (1+2)

THEORY

Definitions of Pharmacology, Pharmacy, Chemotherapy, Therapeutics, Toxicology, Posology. Sources and nature of drugs. Routine Pharmaceutical processes. Various dosage forms with suitable examples. Principles of compounding and dispensing of drugs preparations. Different methods of administration of drugs. Pharmacy-Weights and measures, Apothecary and metric system ; Household measures ; Prescription reading – parts of prescription and commonly used Latin abbreviations in prescription writing ; antiseptics and disinfectants used in Veterinary Practice – Definition, examples and therapeutic uses in animals. General introduction to Antibacterial, antifungal, anthelmintics, antiprotozoal agents used in veterinary

PRACTICAL

Identification of common drugs. Labelling and storage of common drugs. Compounding and dispensing of pharmacy preparations. Introduction to labwares used in pharmacology lab and prescription writing.

Introduction to Clinical Biochemistry (DVP-125)(2+1)

THEORY

Basics of biochemistry of carbohydrate, lipids and proteins and their function and properties. Metabolism in ruminants and non-ruminants. Biochemical processes in conditions of health and disease as respiration, renal function, stress and digestive disorders. Diagnostic biochemistry- role of blood sugar, ketone bodies, blood urea nitrogen, uric acid in disease diagnosis and enzymes for detection of tissue affections/organ affections.

PRACTICAL

Determination of pH, preparation of buffers, colorimetric and electrometric determination of pH, qualitative and quantitative tests and identification of carbohydrates, fat and proteins. Various tests to be conducted on clinical samples. Urine analysis, estimation of blood sugar, estimation of serum, total cholesterol, serum bilirubin determination, blood urea estimation, glucose tolerance test and any other relevant tests.

Introduction to Veterinary Gynaecology and Obstetrics (DVP-126) (2+1)

THEORY

Structure and function of reproductive organs of livestock and poultry. Estrous cycles and reproductive patterns of domestic animals, signs of heat, gestation periods oestrus detection aids, recording keeping at farm , reproductive efficiency common parameters, Heifer rearing, signs of parturition in domestic animals. Principles and constraints of pregnancy diagnosis, assistance in obstetrical cases. Transport of materials from abortions. Nomenclature of gynaecological and obstetrical conditions. Introduction to infertility and its nutritional cause in livestock. Artificial Insemination –collection, preservation and transport of semen, AI in domesticated animals.

PRACTICAL

Rectal palpation of reproductive organs and pregnancy diagnosis. Preparation of AI kit, preparation of artificial vagina, collection of semen Sterilization of glass wares/laboratory wares used in Intrauterine medication. Use of vaginoscope. Preparation of obstetrical kit, sterilization of obstetrical instruments, preparation of surgical pack. Traction techniques in cases of assisted delivery Assistance to parturient animals. Colostrum feeding, Foster feeding. Care of new born. Clinical ethicss.

23.1.3 Semester III

Basics of Clinical Veterinary Medicine (DVP-211) (2+1)

THEORY

Identification of diseased animals on the basis of gross physical examinations, physiological parameters and their methods. Methods of injection of drugs, sera, vaccine etc. Use of canula, passing of stomach tube, probang, teat syphon and use of other instruments. General diseases caused by- Bacteria (Anthrax, HS, BQ etc.), Viruses (FMD, Pox, Rabies etc.), Fungi (Aspergillosis, Histoplasmosis, Candidiasis etc.) and Parasites (Fascioliasis, Babesiosis, Coccidiosis etc.); Systemic diseases (Digestive, Respiratory, Urinary, Reproductive and Nervous system), metabolic diseases (Milk fever, DCS, Ketosis etc.) and diseases of skin, eye and ear (Dermatitis, Conjunctivitis, Otitis etc.). General principles of prevention and control of diseases. Elementary clinical diagnostic methods, history and general examination.

PRACTICAL

Identification of sick animals, handling and transportation of samples for disease diagnosis; Cleaning of slides, glass wares and other laboratory equipments; Techniques of staining and preparation of blood smears; Care and use of microscopes; Collection and processing

of blood, urine, faeces, skin scraping and milk for examination. Collection, preservation, fixation and dispatch of morbid material for laboratory examination.

Introduction to Veterinary Andrology and Artificial Insemination (DVP-212) (2+1)
THEORY
Growth, puberty, sexual maturity, libido. Factors affecting maturity and sex drive in bulls. Sexual behaviour in males. Forms of male infertility. General considerations. Factors affecting infertility in male, common defects of bull, soundness examination and preparation of identification, record of bull, maintenance breeding bulls. Introduction, history, development, advantages and limitations of A.I. Methods of semen collection in various species; technique of A.I. Factors affecting quality and quantity of semen. Tests for evaluation of semen; extension of semen; preservation of semen at different temperatures, storage and shipment of semen prepartion of LN2 and to use in clinical thawing process.
PRACTICAL
Preparation of artificial vagina., collection of semen, evaluation, dilution, preservation techniques at different temperatures. Freezing of semen. Insemination techniques using liquid and frozen semen. Planning and organization of A.I. centre. Selection, care, training and maintenance of breeding bulls for A.I., recording systems. Care, sterilization, storage and upkeep of equipments used for artificial insemination, inventing of semen straws, keeping, liquid nitrogen cylinder maintaince, common appliances used for transfer of LN2 and shifting of cylinder

Introduction to Animal Husbandry Extension (DVP-213) (1+1)
THEORY
Animal Husbandry Extension and rural welfare. Community development and rural sociology (rural and urban difference, family, group, community, social system, social stratification, social system). Fundamental of extension education (history, definition, scope, formal, non-formal and informal education). Principle and objectives of veterinary and animal husbandry extension. Qualities of extension workers. Extension teaching methods. Extension programmes. Motivation in extension. Communication process, function of communication, models of communications, communication methods. Empathy, homophily, heterophily, fidelity, perception. Adoption and diffusion – definitions, innovation, adoption process, adopter categories. System of extension education in India- first line extension system (AICPND, ORP, KVK and LLP), Panchayati raj, NREGA etc.
PRACTICAL
Uses of various audio visual equipments. Use of written literatures. Group discussion and methods of demonstrating various animal husbandry techniques to livestock owners. Awareness campaign on different animal husbandry practices. Identification of key communicators. Methods of motivating individuals for various programmes. Uses of LCD, projector and preparation PPT presentation. Organizing vaccination camps, farmers' meets, exhibition at village level. Report writing

Preliminary Surgical Procedures and Care (DVP-214) (1+2)
THEORY
General surgical principles. Pre-operative and Post-operative care and management. Sutures and suturing material. Introduction to common terms used in surgery. Sterilization in surgical practice. Introduction to superficial surgical ailments (Abscess, Fistula, Sinus, Wounds, Haemorrhage, Gangrene, Cyst, Burn, Scald, Haematoma, Tumor and Hernia). Application and use of various antiseptics, lotions, ointments and tinctures in surgical practice. First aid of common surgical condition.

PRACTICAL

Identification of various surgical instruments. Physical restraint of animals for surgery. Preparation of pack for autoclaving and sterilization. Familiarization with various suture materials and sutures. Operation room discipline. Dressing of wounds and different kinds of bandages and their applications. Burdizzo castration, Tattooing and Dehorning. Preparing animals for surgery. Heat and cold fomentation.

Community Veterinary Pharmacy (DVP-215) (2+1)

THEORY

Definition and applications of epidemiology and preventive medicine. Ecological concepts of epidemiology. Disease process and its spread. Pattern of disease distribution in the community. Investigation of an epidemic. Etiology, epidemiology, pathogenesis, transmission, clinical findings, diagnosis, prevention, control and eradication of zoonotic diseases of livestock and poultry. Zoonotic diseases and its importance. Regulations regulating handling, import and export of biomaterials. Environmental-introduction, definition, importance. Components of environment interaction with organism. Animal ecology. Global and Indian environment – past and present status. Environmental pollution and pollutants. Air, sewage and hazardous waste management. Impact of different pollutants on humans, plants, organisms and environment. Source of water supply, contamination and its prevention. Disposal methods of carcass and fallen animals.

PRACTICAL

Collection, preservation and dispatch of material (blood, urine, faeces, skin scrapings/biopsy, other body fluids etc.) for laboratory examination. Culture and sensitivity of isolates, demonstration/ identification of fungi and other pathogens. Screening of livestock through tests, mass diagnostic campaigns. Vaccination and other disease prevention and control programmes in the field. Demonstration of water purification plant, sewage disposal plants.

Basic Concepts of Pharmacy and Toxicology (DVP-216) (2+1)

THEORY

Introduction to pharmacy. Pharmacy: Fittings and apparatus, labelling, custody of poisons, weighing of drugs, compounding of preparation, meteorology: systems of weights and measures;, pharmaceutical process, incompatibilities, sources and composition of drugs pharmaceutical preparations. popular indigenous drugs (antiseptics, anti-fungals, anthelmintics, arthropod repellents). Definition and terminology of toxicology. Poisoning of toxic plants, metals and non-metals in animals. Sources of poisoning and first aid of poisoned cases.

PRACTICAL

Pharmacy Preparations: Potassium permanganate solution, Lugol's iodine solution, trypan blue solution, Gentian violet solution, tincture iodine, boric acid ointment, zinc oxide ointment, ointment of salicylic acid with benzoic acid. Demonstration of toxic weeds and plants. Demonstration of insecticidal toxicity and their treatment..

23.1.4 Semester IV– Hands on Trainings

Veterinary Pharmacist Jurisprudence (DVP-221) (1+0)

Origin and nature of pharmaceutical legislations in India, its scope and objectives. Evolution of the "Concept of Pharmacy" as an integral part of the Health care system. Principles and significance of professional ethics. Pharmacy Act, 1948. The Drugs and Cosmetic Act, 1940. The powers of Inspectors, the sampling procedures and the procedures and formalities in obtaining licenses under the rule. Facilities to be provided for running a pharmacy effectively. General study of the schedules with special reference

to schedules C,C1,F,G,J,H,P and X and salient features of labelling and storage conditions of drug. Poison Act 1919 (as amended to date). Provisions in the Indian Penal Code, 1860 (45 of 1860), relating to animals. Provincial and Central Acts relating to animals. Glanders and Farcy Act 1899 (13 of 1899), Dourine Act 1910 (5 of 1910), Prevention of Cruelty to Animals Act, 1960 (59 of 1960). Laws relating to offences affecting Public Health. Laws relating to poisons; Laws relating to adulteration of drugs. Livestock Importation Act. Evidence, Liability and Insurance.

Practical Laboratory Diagnosis (DVP-222) (0+3)
Collection, preservation and processing of the biological samples for diagnosis of animal diseases. Clinical examination of blood and urine of diseased animals and principles of interpretation of results. Importance of clinical pathology in confirmation of disease, and their value as legal evidence. Diseases that can be confirmed/ substantiated through haematological examination. Diseases that can be confirmed through urine and other body fluid examination. Analyzing and correlating with clinical findings and interpreting the results.

Clinical Pharmacy (DVP-223) (0+3)
Introduction to Clinical Pharmacy practices- definitions and scope. Drug interactions, Drugs in clinical toxicity, bio-availability of drugs. Pharmacy preparation and their application in the veterinary hospital. Common terminology used in veterinary practices. Prescription writing for country medicine

Veterinary Hospital Pharmacy (DVP-224) (0+3)
Maintenance of various records of veterinary hospital. Preparation and compilation of various reports of hospitals and its data recording and analysis. Acquaintance to instruments and their management and utilization. Nomenclature and maintenance of various medicines, preparations and their uses. Drug distribution system. Handling of sick animals. Vaccination.

Farm Management Practices (DVP-225) (0+3)
Preparation and maintenance of dairy records. Routine work of dairy farms and keeping of records. Preparation and compilation of various reports and performa. Methods of restraining and casting of animals. Routine poultry farm operations like incubation, hatching and candling. Vaccination of poultry, goats and dairy animals.

Exposure to Poly Clinics (DVP-226) (0+3)
Recording of temperature, pulse and respiration. Methods of drug administration. Practice of compounding and dispensing various drugs. Use of trocar and canula, stomach tube and probang. Intra-mammary infusions. Dressing of wounds. Preparation of commonly used ointments, tinctures, lotions/solutions etc. Acquaintance with various gynaecological and surgical instruments with their uses. Sterilization of instruments. Demonstration of gynaecological and surgical problems. Preparation and handling of surgical pack. Introduction and handling of diagnostic equipment (X-ray, Ultrasound). Practice of collecting clinical materials for laboratory examination. Radiation safety.

23.2Diploma in Livestock Extension

23.2.1 Semester I
Introduction to Anatomy of Livestock and Poultry (DLE-111) (0+2)

Introduction to skeletal system and its joints, digestive system, respiratory system, uro - genital system, circulatory system, nervous system and superficial lymph nodes including the sense organs.

Introductory Livestock Production and Management (DLE-112) (1+2)
THEORY
Terminology related to Cattle, Buffalo, Sheep, Goat, Equine, Camel and Swine management. Their classification based on utility, knowledge about exotic and cross breeds cow, Care of animals during and after parturition, housing of animals, calf rearing, care of new born calf, Routine management practices like grooming, washing, dipping, casting and shearing, exercising, castration, dehorning and debudding. Raising and feeding of farm animals. Signs of health in different animals. Care of sick animals. Milking management. Control of animal vices. Importance of poultry farming and backyard poultry in rural India. Elementary knowledge of incubation and hatchery management, Management of chicks, growers and layers. Poultry housing and feeding. Vaccination against livestock and poultry diseases.
PRACTICAL
External body parts of different animals. Methods of approaching and handling animals. Milking farm animals. Methods of ageing, grooming, identification, debudding, drenching of animals, casting and restraining of farm animals. Feeding of dairy animals. Methods of recording temperature, pulse and respiration, Record keeping and Routine farm operations like incubation and hatching, fumigation, candling, wing banding, leg banding, brooding of chicks, litter management and record keeping. Bio-security measures to prevent the contagious diseases in poultry farming, compost making, cleaning and disinfection of animal house.
Basic Concept of Animal and Poultry Breeding (DLE-113) (2+1)
THEORY
Breeding–definition and importance. Variation, sources of variation, implication. Concepts of animal breeding and its techniques for optimum production. System of breeding, inbreeding, close breeding, line breeding, out breeding and cross breeding. Genetic structure of population. Classification of breeds with economic characters of breeds with economic characters of livestock and poultry. Various types of livestock and poultry records with their importance. Procedures and objectives of culling. Schemes of livestock improvement in the country.
PRACTICAL
Visit to a cattle breeding farm. Study of breeding records at farm. Analysis of breeding records of different livestock farms. Maintenance of records in livestock and poultry. Judging of animals. Procedures for culling of livestock and poultry. Method of selection of dairy animals and breeding bulls.

Introduction to Animal Nutrition (DLE-114) (2+1)
THEORY
Composition of animal body and plants, Nutritional terms and definitions. Carbohydrates their digestion, absorption and metabolism in ruminants, and non –ruminants. Protein and amino acids- their digestion absorption and metabolism in ruminants, and non – ruminants. Significance and metabolism of Lipids and fats in animals. Mineral elements and their function and deficiency symptoms. in livestock and Poultry Importance of vitamins, their deficiency symptoms, feed additives- definition .Significance safety and commonly used feed additives in livestock and poultry. Toxic compounds/ harmful constituents Present in the feed and fodder and their methods of removal/ detoxification. Elementary description of nutrients and their requirements for maintenance, growth,

reproduction, lactation, egg Production, wool production and work production. Ration balancing and feed formulation, General principles of feeding and common practices for different categories of livestock. Common feed and fodder, their classification. Fodder preservation as silage and hay. Nutritional deficiency diseases and Feeding schedules for farm animals, pets and poultry under stress/ diseases/ deficiency conditions.

PRACTICAL

Elementary knowledge of computation of ration for different types of live-stock and poultry. Familiarization of various feed stuff, fodder and their selection. Silage and hay making. elementary knowledge about common nutritional deficiency diseases Visit to feed factory,

Basics of Animal Physiology (DLE-115)(2+1)

THEORY

Elementary knowledge of physiological functions of various organs of livestock and poultry. Clinical relevance of physiological parameters. Functional anatomy of digestive tract of monogastric and ruminant animals, prehension, mastication, deglutition, movements of stomach, small intestine and large intestine. Rumination. Defecation. Physiological functions of various organs of animals and poultry. General function of blood, blood cells, plasma and serum. General physiology of urinary system, general physiology of male and female reproductive system, letdown of milk. Basics of Physiology of body fluids. Hormones related to male and female reproductive system.

PRACTICAL

Recording of various physiological parameters of livestock and poultry. Collection of blood samples from various species of animals and bird(s). Preservation of blood. Haematology. Counting of rumen motility. Physiological constituents of urine. Estimation of titrable acidity in urine. Estimation of haemoglobin. Counting of RBC and WBC in blood.

Basics of Livestock Microbiology (DLE-116) (2+1)

THEORY

Microbiology of unicellular organisms and their classification. Microscopy. Morphology and structure of bacteria. Cultivation of bacteria, Isolation of bacteria in pure culture, cultural characteristics on solid medium, aerobic and anaerobic cultivation and identification of bacteria. Distribution of bacteria and other microbes. Sources of infections. Methods of transmission of infections. Sterilization, Disinfection, Introduction to fungi. General properties of virus, source of infection, methods of transmission of infection, bacterial, fungal and viral disease.

PRACTICAL

Microscopy and routine slide preparation and staining, Equipments and Sterilization, Disinfection, Evaluation of disinfectants, Asepsis, etc. Preparation of reagents media, sterilization and cultural characters of bacteria and fungi.

23.2.2 Semester II

Introduction to Computer and its Application (DLE-121) (0+2)

What is a computer? Components of a computer (anatomy of a P.C.). Types of computers. Types of memories, control unit. Inputs and outputs. Execution of a Programme; data types, simple programmes, use of computer in farm; use of computer in Veterinary Hospital. Computer basics; key board, function keys, escape key, control key, shift key, underscore key, enter key, cursor, back space, end, home, Pg up, Pg down etc. Simple operations/programmes. Saving your data. Entering biological data into computer. Access data, analysis using data base, retrieving data for printing, print controls.

Introduction to Livestock Products and its Processing (DLE-122) (1+2)

THEORY

Milk definition and its composition factors affecting quality and value of milk collection, chilling, standardization homoge-nization and preservation of milk, legal standard of milk, Packaging and distribution of milk. Clean milk production. Nutritive value of meat and egg. Handling, storage, distribution and preservation of meat, and eggs. Milk definition and its composition. Adulteration in meat and milk. Cleaning, sanitation and effluent treatment of milk and meat processing plants.

PRACTICAL

Samples collection of meat, milk and eggs. platform tests for milk; pH estimation by indicator paper; Estimation of specific gravity, total milk solids (TS) and solids not fat (SNF) in milk; Determination of adulterants and preservatives in milk. Candling and grading of eggs. Visits to dairy, milk plants, leather and meat industry. Preservation of egg and egg products. Details about milk and meat processing plant, Disposal of waste from meat and milk plants.

Basics of Livestock Parasitology (DLE-123)(2+1)

THEORY

Introduction of parasitology in animal science. Classification of parasites. Types of parasitism. Economic importance of parsitic diseases of livestock. Introduction of endo- and ecto-parasites; Prevention, control and treatment of diseases caused by protozoa (Coccidia, Theileria, Babesia)Trematodes (Fasciola gigantica, Amphistome, Blood flukes) Cestodes (Moneizia, Taenia solium) nematodes (Ascaris suum, Haemonchus contortus)and arthropods (Ticks and mites)caused in livestock; Parasites of zoonotic importance. Important insects, ticks and mites of livestock , their life cycle , mode of transmission and control measures,

PRACTICAL

Demonstration of endo- and ecto-parasites; Faecal examination and demonstration of eggs/oocysts of parasites. Blood and skin scrappings examination. Preparation of blood smears, their staining and examination of slides for haemoprotozoan parasites. Methods of collection, fixation, preservation and mounting of protozoan parasites.

Introductory Pharmacology (DLE-124) (1+2)

THEORY

Definitions of terms Pharmacology, Pharmacy, Chemotherapy, Therapeutics and Toxicology. Sources and nature of drugs. Routine Pharmaceutical processes. Various dosage forms with suitable examples ; Principles of compounding and dispensing of drugs preparations ;Different methods for administration of drugs; Pharmacy weights and measures and metric system; Household measures; Prescription reading – parts of prescription and commonly used Latin abbreviations in prescription writing. Antiseptics and disinfectants in Veterinary Practice – Definition, examples and therapeutic uses in animals. General introduction to Antibacterial, antifungal, anthelmintics, antiprotozoal agents used in veterinary.

PRACTICAL

Identification of common drugs. Labelling and storage of common drugs. Compounding and dispensing of pharmacy preparations. Introduction to labwares used in a pharmacology lab, prescription reading.

Fodder Production I (DLE-125)(0+3)

Introduction to fodder production. Importance and management of grasslands and fodders in livestock production; agronomical practices for production of common cereal and leguminous fodders. Familiarization of production of common fodder crops including pastures and knowledge about common seasonal grasses. Importance of unconventional feeds and fodder in livestock. Preservation of forage – silage, hay making and haylage. Feeding of livestock during scarcity and management of cattle camps. Methodology of founder/ breeder/ certified seed production of fodder crops. Fodder production round the year. Green manure preparation, FYM and Nadep production procedures. Recycling of livestock waste including vermi compost, biogas.

Poultry Production (DLE-126) (0+3)

The Indian Poultry Industry. Introduction to poultry breeds. Poultry equipments, seasonal management. Routine farm operations like incubation and hatching, fumigation, candling, wing banding, leg banding, brooding of chicks, litter management, debeaking and record keeping. Poultry diseases like bacterial, viral, parasitic, fungal disease and their management and its control. Vaccinations in poultry. Bio security measures to prevent the contagious diseases in poultry farming, cleaning and disinfection of poultry houses. Poultry feeds and feedings. Backyard poultry production

23.2.3 Semester III

Basics of Livestock Medicine (DLE-211) (2+1)

THEORY

Identification of diseased animals on the basis of gross physical examinations, physiological parameters and their methods. Methods of injection of drugs, sera, vaccine etc. Use of canula, passing of stomach tube, probang, teat syphon and other instruments for treatment. General diseases caused by- Bacteria (Anthrax, HS, BQ etc.), Viruses (FMD, Pox, Rabies etc.), Fungi (Aspergillosis, Histoplasmosis, Candidiasis etc.) and Parasites (Fascioliasis, Babesiosis, Coccidiosis etc.); Systemic diseases (Digestive, Respiratory, Urinary, Reproductive and Nervous system), metabolic diseases (Milk fever, DCS, Ketosis etc.) and diseases of skin, eye and ear (Dermatitis, Conjunctivitis, Otitis etc.).General principles of prevention and control of diseases. Elementary clinical diagnostic methods, history and general examination.

PRACTICAL

Identification of sick animals, handling and transportation of samples for disease diagnosis; Cleaning of slides, glass wares and other laboratory equipments; Techniques of staining and preparation of blood smears ; Care and use of microscopes; Collection and processing of blood, urine, faeces, skin scraping and milk for examination. Collection, preservation, fixation and dispatch of morbid material for laboratory examination.

Introduction to Veterinary Gynaecology and Obstetrics (DLE-212) (2+1)

THEORY

Structure and function of female reproductive system of farm animals (Bovine, Equine, Canine and Swine), Puberty, Estrous cycle (Phases, duration, and Signs of heat etc), Female infertility (Anatomical, Nutritional, and Functional causes), Uterine infection (Endometritis, Pyometra, and Metritis), Gestation period, Pregnancy diagnosis, Signs of parturition, Care and management of pregnant animal during gestation, Care and management of pregnant female at the time of parturition, Introduction and management of gestational disorders (Fetal losses, Vaginal prolapse, Hydrops of fetus and fetal membranes, Uterine torsion) and their management, Introduction to obstetrical operations and related instruments, Care and assistance during obstetrical operations, Management of dam during post-parturient period, Care and management of new born calf.

PRACTICAL

Rectal palpation of reproductive organ, Pregnancy diagnosis using phantom box, Demonstration of gynaecological instruments, Demonstration of Obstetrical instruments (their sterilization and pack preparation), Assistance during management of various reproductive problems (e.g. Genital prolapse, Uterine torsion, Intrauterine medications, Foetotomy, and C-section etc)

Introduction to Animal Husbandry Extension Education (DLE-213) (1+2)

THEORY

Animal Husbandry Extension and rural welfare. Community development and rural sociology (rural and urban difference, family, group, community, social system, social stratification, social system). Fundamental of extension education (history, definition, scope, formal, non-formal and informal education). Principle and objectives of veterinary and animal husbandry extension. Qualities of extension workers. Extension teaching methods. Extension programmes. Motivation in extension. Communication process, function of communication, models of communications, communication methods. Empathy, homophily, heterophily, fidelity, perception. Adoption and diffusion – definitions, innovation, adoption process, adopter categories. System of extension education in India- first line extension system (AICPND, ORP, KVK and LLP), Panchayati raj, NREGA etc.

PRACTICAL

Uses of various audio visual equipments. Use of written literatures. Group discussion and methods of demonstrating various animal husbandry techniques to livestock owners. Awareness campaign on different animal husbandry practices. Identification of key communicators. Methods of motivating individuals for various programmes. Uses of LCD, projector and preparation PPT presentation. Organizing vaccination camps, farmers' meets, exhibition at village level. Report writing

Elementary Surgical Procedures (DLE-214) (1+2)

THEORY

Classification and development of veterinary surgery. General surgical principles. Pre-operative and Post-operative care and management. Importance of sutures and suturing material Introduction to common terms used in Surgery. Sterilization in surgical practice. Introduction to superficial surgical ailments (Abscess, Fistula, Sinus, Wounds, Haemorrhage, Gangrene Cyst Burn, Scald Haematoma, Tumour and Hernia). Handling of simples fractures. Dental care. Hoof management. Application and uses of various antiseptics, lotions, ointments and tinctures in surgical practice.

PRACTICAL

Identification of various surgical instruments. Physical restraint of animals for surgery. Preparation of pack for autoclaving and various sterilization procedures. Preparation of surgical pack, familiarization with various suture materials. Operation room discipline. Dressing of wounds and different kinds of bandages and their applications. Burdizzo castration, tattooing and dehorning. Preparing animals for surgery. Heat and cold fomentation. Introduction to Veterinary Andrology and Artificial Insemination.

Insemination (DLE-215) (1+1)

THEORY

Structure and function of male reproductive system of farm animals (Bovine, Equine, Canine and Swine), Puberty and sexual maturity, Libido, Sexual behaviour, Male infertility (Some common affections of testes, penis and prepuce etc), Castration and Vasectomy in male animals, Semen collection and its evaluation, Principle of cryopreservation of semen,

Introduction to Artificial insemination (AI) in farm animals with its advantages and limitations, Methods of artificial insemination, Precautions during AI, Thawing and its importance, Prediction of optimum time of insemination.

PRACTICAL

Care and management of breeding bull, Demonstration of semen collection, Semen evaluation (Sperm concentration, Per cent progressive motility, Per cent live spermatozoa), Demonstration and up-keepment of AI instruments (Sterilization and packing), Handling of LN2 container, Storage of semen straws and their transportation, Technique and precautions during retrieval of semen straw and loading of AI gun for AI, Artificial insemination using frozen semen.

Fodder Production II (DLE-216) (0+3)

Production of fodder crops. Cost/economics calculation of fodder. Familiarization with the backyard fodder cropping and intercropping of fodder. Methods of round the year fodder supply by silage and hay making hydroponic. aeroponics fodder, trees as fodder, etc Preparation of cropping scheme/ crop rotation for dairy fodder farm. Agencies involved in seeds, fertilizers, animal feeds and pesticides production.

23.2.4 Semester IV – Hands on Trainings

Extension Activities in Animal Husbandry including survey, data collection and analysis (DLE-221) (0+2)

Communication with rural and urban groups for collecting information using Rapid Rural Appraisal and Participatory Rural Appraisal methods. Client management- history taking, follow up, appraisal, prognosis, announcing death of animal to the owner etc. Social survey, social sampling using various tools of data collection and data analysis. Organization of animal welfare camps and farmers meetings.

Acquaintance to Veterinary Hospital (DLE-222) (0+3)

Preparation, maintenance and keeping of hospital records. Routine work of hospital. Preparation and compilation of various reports and Performa. Vaccination schedules and methods of vaccination for livestock and poultry. Sanitation and maintenance of clinics.

Practical Training in Clinical Practice (DLE-223) (0+3)

Recording of temperature, pulse and respiration in disease conditions. Methods of drug administration. Practice of compounding and dispensing various drugs. Use of trocar and canula, stomach tube and probang. Intra-mammary infusions. Dressing of wounds. Collection of ruminal fluids. Use and indications of commonly used ointments, tinctures, lotions/solutions etc. Acquaintance with various gynaecological and surgical instruments with their uses. Sterilization of instruments etc. Demonstration of gynaecological and surgical problems. Preparation and handling of surgical pack. Introduction to X-ray procedure. Collection of clinical material for laboratory examination. Burdizzo castration of calf, sheep and goat.

Acquaintance to Dairy Farm (DLE-224) (0+3)

Preparation and maintenance of dairy records. Routine work of dairy farms and keeping of records. Preparation and compilation of various reports and Performa. Practices for hygienic milk production. Sampling.

Acquaintance to Poultry/ Goatry/ Piggery /Stud Farms (DLE-225) (0+3)

Preparation and maintenance of farms. Preparation and compilation of various reports and Performa. Housing and layout of poultry, goatry, piggery and stud farm. Preperation and

management of poultry, goatry, piggery and stud farm. Cleaning and sanitation of animal house. Restraining and handling of animals and poultry. Cleaning of poultry shed and litter management. Introduction to shoes and shoeing in horses.

24. Internship

24.1.Duration for Diploma in Veterinary Pharmacy: 3 months

24.2. Duration for Diploma in Livestock Extension: 3 Months

24.3 Details

24.3.1 Minimum working hours for the Internship Program =500

24.3.2 Daily Working hours=8

24.3.3 Attachment to Teaching Veterinary Clinical Complex (TVCC) section: 2 months

24.3.3.1 Duration at Surgery section: 20 days

24.3.3.2 Duration at Medicine section: 20 days

24.3.3.3 Duration at Gynecology and Obstetrics section: 20 days

24.3.4Attachment to Instructional Livestock Farm Complex section 30 days

24.3.5One casual leave will be permissible per month apart from one weekly off

24.4 Checklist for various sections during internship programme listed as follows

24.4.1Veterinary Medicine

Day(s)	Activity
1	Concept of history taking and familiarization with basic equipment used
2	Handling and restraining animals for physical examination / medication
3	Registration and filling of registration card and hospital records
4	Physical examination of animals and recording of respiration, pulse, temperature, and heart rate
5	Physical examination techniques viz. palpation, percussion and auscultation
6	Recording of rumen motility
7	Familiarization and practice of first aids procedures and emergency
8	Drug administration technique in different species of animal's viz. oral, parenteral, rectal, intra peritoneal, and intra-uterine
9	Deworming procedures and dosage calculation for different species of animals and birds
10	Vaccination procedures, schedules, and available vaccine strains for different diseases
11-12	Basics of infectious, metabolic and production diseases of livestock

24.4.2 Veterinary Gynaecology and Obstetrics

Day(s)	Activity
1	Familiarization to Gynaecology instruments
2	Estrus detection at farms and recordkeeping.
3	Palpation of reproductive organs in Phantom cow.
4	Basic knowledge of pregnancy diagnosis and management of nutritional Infertility
5	Maintenance of laboratory hygiene and sanitation at Semen Biology Lab
6	Preparation of artificial vagina (AV) for semen collection and Familiarization with semen examination
7	Handling of Artificial Insemination (AI) gun, thawing, loading, Cryo-can management, semen storage and transfer of semen straw from Cryo-can to Cryo-can
8-10	Practice of Artificial Insemination (AI)
11	Demonstration of the activity of breeding bull at bull-exerciser at LFC

24.4.3-Veterinary Surgery and Radiology

Day(s)	Activity
1	Exposure topographical anatomy of animals
2	Identification of surgical instruments and Do and Don'ts in operation theatre
3	Familiarization and understanding the use of surgical and diagnostic imaging equipment's
4	Preparation and sterilization of surgical packs, instruments, drapes, and operation theatres
5	General examination and presurgical preparation
6	Route of drug administration
7	Application and usage of various antiseptics, lotion etc.
8	Familiarization with the operation of the X-rays units
9	Familiarization of antiseptic dressing, bandaging and wound management
10	Observation and monitoring of physiological parameters
11	Familiarization with common surgical cases at TVCC

24.4.4 Veterinary Laboratory Diagnosis (VLD)

Day(s)	Activity
1	Sample collection techniques and good management practices (GMPs) of laboratory
2	Preparation of smear & staining techniques
3	Identification of haemo-protozoan parasites in blood smear
4	Familiarisation of skin scraping examinations
5	Familiarisation of haematological examinations
6	Familiarization of haemato-chemistry
7	Familiarization of faecal examination
8	Urine analysis
9	Familiarization with laboratory animals
10-11	General Pharmacy Practices-prescription reading dispensing and maintenance of pharmacy records.

24.4.5 DVP and DLE, Internship Schedule Animal Science

24.4.5.1 Animal Nutrition

Day(s)	Activity
1	Familiarization of quality feeds and fodder for livestock and Poultry
2	General outlines of ration formulation for Ruminants
3	General outlines of ration formulation for Poultry and Pigs
4	Concentrate mixture formulation for Ruminants
5	Concentrate mixture formulation for Poultry and Pigs
6	Important feeding peculiarities of Ruminants
7	Important feeding by chart method of Poultry and Pigs
8	Ensuring round the year fodder production
9	Hay and silage making, fodder cutting and chaffing technique for dairy animals.
10	Improving poor quality roughage by different treatments
11	Understanding and calculating cost/economics of feeding of Livestock and Poultry

24.4.5.2 Livestock Production Management

Day(s)	Activity
1	Familiarization with common breeds of livestock
2	Housing and layout of dairy farm

3	Familiarization with daily routine practices and record keeping at dairy farm
4	Familiarization with body points, dentition, castration and disbudding of animals
5	Methods of identification in livestock (Marking, Tattooing, Branding, Tagging etc.)
6	Restraining and handling of dairy animals (Casting)
7	Milking of dairy animals and maintaining udder health
8	Judging of dairy animals
9	Determination of physiological parameters and body weight using different methods
10	Care and management of Pregnant animal and newborn calf
11	Detection of heat and Spotting Disease animal sat farm

24.4.5.3. Poultry Science (Can be a part of LPM)

Day(s)Activity

1. Visit to the DUVASU Poultry Farm and Exposure to different sheds and Familiarization of Breeds. Allocations of different sheds to the internship students (2 students in each group). Introduction to the Indian Poultry Industry- brief outline of the different segments- poultry statistics. Demonstration of different feed types and their quality management.
2. Country Chicken Farming. Introduction tothe conceptof pure line breeding in Poultry. Poultry Venture. Economic traits and available commercial strains of Broiler and Layer. Turkey birdsfarming.
3. Housing Management and biosecurity Japanese Quails farming Watering Management. Lighting Management and Hatchery Management. Emu bird farming.
4. Litter Management and Candling Management (Depending on transfer of eggs to the hatchers).
5. Brooding, Growing Management and Sexing of DOCs.
6. Laying Management with special reference to phase feeding and Broiler Feed formulation.
7. An overview of commonly used medications and vaccination schedules. Common diseases of poultry and their preventive measures.

9-11. Feasibility report with special emphasis on Broiler and Layer

24.4.5.4 Goat Training (Can be a part of LPM)

Day(s)	Activity
1	Prospects of goat farming and Familiarization with various activities at Farms
2	Identification of different breeds of goat and their selection
3	Peculiarities of Male and Female in goats (Physiology of Male and Female reproduction) and Heat detection
4	Nutrition and feeding of lactating & pregnant goat and breeding bucks
5	Housing management of goat, buck and kids.
6	Kid management and utilization of goat milk
7	AI in goat
8	AI in goat
9	Vaccination schedule and detail about major disease associated with goat
10	Semen evaluation and thawing protocol
11	Module for rearing 5, 10, 20, 50 and 100 Goat
12	Importance of Integrated Goat Farming System &Range management

24.5 Assessment of internship

24.5.1 An intern shall be assessed on the basis of evaluation of their log-book/project report, his/her performance at various training postings, a comprehensive written test and *viva-voce* by an evaluation committee.

24.5.2 The evaluation committee shall be appointed by the Director/Principal of the college/institute and shall comprise of faculty supervising the training postings and a supervising veterinarian of a veterinary hospital/polyclinic including an examiner which will be nominated by the examination committee out of a panel of examiner/ assessor/ evaluator by Director/ Principal of the college/ Institute to CoE, for assessment of interns on such date as fixed by the CoE.

24.5.3 The distribution of marks for assessment shall be as under:

Log-book/project	20 marks
Performance at various training postings	20 marks
Written test	40 marks
Viva-voce	20 marks
Total	**100 marks**

24.5.4 The minimum passing marks in the internship assessment shall be 40 out of 100 marks.

24.5.5 After successful completion of internship the Director/Principal of the college/institute shall issue a certificate of satisfactory completion of internship training as prescribed in the Uttar Pradesh Govt. order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024.

24.5.6 The Director/Principal of the college/institute shall then forward the list of such successful candidates to the COE and Registrar, for further action.

24.5.7 A candidate shall become eligible for the award of Diploma in the respective discipline/trade after successful completion of internship training.

Part-X

25. The Director/Principal of every affiliated college/institute shall submit a report annually to the University, preferably in the month of August or September or as the Executive Council may, from time to time determine, indicating –

i. the changes in the management, if any,
ii. the administrative staff,
iii. changes in the teaching staff and qualifications thereof,
iv. number and distribution of students,
v. income and expenditure of the financial year,
vi. results of examination,
vii. scholarships won by students, if any,
viii. conditions of library, computer lab, other labs,
ix. number of students in the institution hostel, and
x. extra-curricular and co-curricular activities of the students.

26. Audit of Accounts:

Every affiliated institution shall have its accounts audited by a Chartered Accountant annually. The audited account shall be submitted to the University within three months of the close of financial year for subsequent approval of the Executive Council.

27. The academic council will be authorized to make revision in the academic regulations (Part VIII) and course curriculum (Part IX) keeping in view the advancement in the subject and requirements as it deems fit from time to time.

28. The University reserves the right to amend the guidelines/ procedures fees etc related to the affiliation of institutes/ colleges, in future without prior information of the institutes/ colleges which will be applicable prospectively with the approval of the Hon'ble Executive Council.

s/d
(Registrar)
Uttar Pradesh Pandit Deen Dayal Upadhyay Pashu Chikitsa Vigyan Vishwavidhyalaya Evam Go-Anusandhan Sansthan, Mathura

Annexure –I

उत्तर प्रदेश के शासनादेश संख्या-07 / 2024 / I / 798726 / 37–3099 / 8 / 2023 दिनांक 18.11.2024 के आधार पर डिप्लोमा इन वेटनरी फार्मेसी/लाईवस्टॉक एक्सटेंशन कोर्स हेतु अनापत्ति प्रमाण-पत्र (एन.ओ.सी.) दिये जाने हेतु आवेदन-पत्र का प्रारूप।(**Application form for seeking NOC for imparting Diploma in Veterinary Pharmacy/Livestock Extension programme: As per Uttar Pradesh Govt. order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024.**)

क्र. सं.	वांछित बिन्दु	आख्या
1	2	3
1	समिति/संस्था/ट्रस्ट/कम्पनी का नाम और पता, टेलीफोन नंबर, फैक्स नंबर, ईमेल और वेबसाइट सहित। (रजिस्ट्रेशन डीड संलग्न करें)	
2	संबद्वता चाहने वाले समिति /संस्था/ट्रस्ट/कम्पनी का नाम और पता, टेलीफोन नंबर, फैक्स नंबर, ईमेल और वेबसाइट सहित।	
3	डिप्लोमा पाठयक्रम का नाम जिसके लिए एन.आ.सी. माँगी गई है:- 1. पशु चिकित्सा फार्मेसी में डिप्लोमा, या 2. पशुधन विस्तार में डिप्लोमा अथवा 1 और 2 दोनों	
4	उपलब्ध भूमि का विवरण (शासनादेश संख्या -07 / 2024 / I / 798726 / 37–3099 / 8 / 2023 दिनांक 18.11.2024 के अनुसार न्यूनतम ०५ एकड की अतिक्रमण मुक्त सहयुक्त पंजीकृत भूमि) समिति/संस्था/ट्रस्ट/कम्पनी के स्वामित्व में होनी चाहिए, जिसमें से न्यूनतम 1200 वर्गमीटर भूमि संस्थानिक उपयोग हेतु संपरिवर्तित हो (यदि भूमि संख्या के पास लीज पर है तो कृपया लीज डीड संलग्न की जाए तथा लीज के वर्षो की संख्या अंकित की जाए) भूमि के संम्बन्ध में लीज डीड, खाता सं०/गाटा सं०/रकबा एवं शजरा (राजस्व नक्शे की) सत्यापित प्रति संलग्र की जाए।	
5	प्रशानिक, शैक्षणिक, पशुचिकित्सा अस्पताल और पुस्तकालय भवनों का विवरण, जिसमें कवर किया गया क्षेत्र शामिल है। (बुनियादी ढाँचा शासनादेश संख्या -07 / 2024 / I / 798726 / 37–3099 / 8 / 2023, दिनांक 18.11.2024 के प्रस्तर-६ के दिशा निर्देश के अनुसार होना चाहिए संबंधित दस्तावेज संलग्र करें) किस भूमि गाटा सं०/रकबा में भवन निर्मित है, का विवरण संलग्न करें। भूमि/भवन का संबंधित प्राधिकृत अधिकारी द्वारा नियमानुसार संपरिवर्तन आवेदन से पूर्व अनिवार्य होगा।	

6	समिति/संस्था/ट्रस्ट/कम्पनी के प्रबंधन का विवरण- क. क्या ट्रस्ट या सोसायटी उत्तर प्रदेश पंजीकरण अधिनियम 1976 या भारतीय ट्रस्ट अधिनियम 1882 या कंपनी अधिनियम 2013 के तहत पंजीकृत है। (स्व-सत्यापित प्रासंगिक दस्तावेज संलग्र करें) ख. प्रबंध समिति /शासी निकाय का गठन एवं संरचना तथा उसकी शक्तियॉः-(विवरण संलग्र करें) ग. उपरोक्त बिन्दु 3 में उल्लिखित पाठयक्रम (पाठयक्रमों) के लिए एक नया कॉलेज/संस्थान खोलने के लिए प्रबंध समिति/शासी निकाय का संकल्प/प्रस्ताव (स्व- सत्यापित प्रति संलग्र करें) घ. समिति/संस्था/ट्रस्ट/कम्पनी के सभी पदाधिकारियों के नाम और पते, टेलीफोन नंबर, फैक्स नंबर और ईमेल सहित।	
7.	समिति/संस्था /ट्रस्ट/कम्पनी द्वारा उसी कैम्पस में चलाए जा रहें शैक्षणिक/प्रशिक्षण संस्थानों का विवरण।	
8	उपलब्ध धनराशि, आय के स्त्रोत, भावी संसाधन, अनुमानित व्यय और आय, अचल और तरल संपत्ति, खातों का विवरण (पासबुक की फोटोकॉपी संलग्र करें) पुरानी समिति/संस्था/ट्रस्ट/कम्पनी होने की दशा में पैन/टैन, नवीनतम आयकर रिटर्न, राशि दर्शाने वाला विस्तृत वितीय विवरण पिछले 3 वर्षो की बैलेंस शीट (प्रासंगिक प्रमाण संलग्न करें)	
9	पंजीकरण शुल्क (गैर-वापसी योग्य - रू० 3.00 लाख) प्रासंगिक दस्तावेज संलग्र करें।	
10	बैंक गारंटी (वापसी योग्य- रू० 30.00 लाख) एन०ओ०सी० जारी होने के सात कार्य दिवसों के भीतर जमा किया जाना चाहिए।	
11	निरीक्षण शुल्क (रू० 1.00 लाख) प्रासंगिक दस्तावेज संलग्र करें।	
12	परियोजना लागतः- (क) भूमि की पूंजीगत लागत (बी) भवन/इमारत (सी) संयंत्र और मशीनरी (घ) पशु चिकित्सा, वैज्ञानिक और संबंद्व उपकरण (ई) फर्नीचर और फिक्सचर (च) प्रारंभिक और प्रीऑपरेटिव खर्च	
13	परियोजना के वितपोषण के साधन- (क) आवेदक का योगदान (बी) अनुदान (सी) दान (घ) हिस्सेदारी	

	(ई) सावधि ऋण (च) अन्य स्त्रोत (यदि कोई हो)	
14	समस्त सुविधायुक्त संस्थान भवन, चिकित्सालय, शौचालय (प्रसाधन)/पुस्तकालय एक ही परिसर में संस्थान के स्वंय के स्वामित्व की संस्थानिक परिवर्तित भूमि पर होने का प्रमाण-पत्र	
15	भवन की सुरक्षा का प्रमाण- पत्र सक्षम अधिकारी यथा-सार्वजनिक निर्माण विभाग/पंचायत समिति/नगर निकाय में कार्यरत सक्षम अभियंता (न्यूनतम सहायक अभियंता) से लिया जाना आवश्यक है तथा सक्षम प्राधिकारी द्वारा नक्शा स्वीकृत किया जाना आवश्यक है। (यदि भवन का निर्माण पहले से है तो)	
16	भवन का सक्षम अधिकारी द्वारा अग्नि सुरक्षा प्रमाण-पत्र लिया जाए तथा समय-समय पर इसका नवीनीकरण कराया जाय। (यदि भवन का निर्माण पहले से है तो)	
17	वर्षो जल संचयन की समुचित व्यवस्था का प्रमाण-पत्र।	
18	अन्य विवरण, यदि कोई हो तो	

Annexure –II

Application form for seeking affiliation for imparting Diploma in Veterinary Pharmacy/Livestock Extension Program

1	Name and address of the Society/Institution/Trust/Company Telephone No., Fax No., e-mail and website:	
2	Name and address of the College/Institution seeking affiliation Telephone No., Fax No., e-mail and website:	
3	(a) Name(s) of the diploma course(s) for which affiliation is sought (b) Academic year for which affiliation is sought	
4	Particulars of NOC from Uttar Pradesh Government.	
5	**Management of Society/Trust** a) Details of Management of Trust or Society: b) Whether Society/Institution/Trust/Company is registered under "Uttar Pradesh Societies Registration Act, 1976" or "Indian Trusts Act, 1882" or the "Company Act, 2013": (Attach self-attested copy of registration certificate) c) Constitution and composition of the Managing Committee/ Governing Body and its powers: (Attach details) d) Resolution of Managing Committee/Governing Body for opening of a new college/institute for the course (s) as mentioned in point 3 above: (Attach a self-attested copy) e) Names and addresses, along with telephone No., Fax No. and e-mail, of all the office bearers of Trust/Society (President and Secretary)	
6	Details of the other educational /training institutes being run by the Trust / Society	
7	Details of land including total area, as per article 9 of the Uttar Pradesh Govt. order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024, details of ownership, exclusive for the institution or being shared. Is it as per Norms, Procedure and Guidelines for affiliation of institutions offering/desirous of starting Diploma course etc. (attach additional sheets with documents/ proof). Whether permission of competent authority obtained for 'Land Use' as for establishing educational institution	
8	Building details including covered area, building plan, quality of construction, fire safety, power, water/ sewage connection, pollution or any other requirements as per norms in this regard with proof of approval/ certificate from the appropriate authorities to be attached. Is infrastructure as per provisions, procedure and guidelines for affiliation of institutions offering/desirous of starting Diploma course?	
9	Detailed financial statement showing funds available, sources of income, future resources, projected expenditure and income, fixed and liquid assets, statement of accounts, PAN/TAN, latest income tax return, Balance Sheet for the Last 3 Years: (relevant proof to be attached)	
10	Details of transport facilities at the college/institute	
11	Details of teaching, non-teaching and supporting staff recruited in the college/institute seeking affiliation	

12	Details (Year, make, date and cost) of equipments and related material for **Veterinary Hospital** already available against the norms laid down in article 9 of the Uttar Pradesh Govt. order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024.	
12	Details (Year, make, date and cost) of equipments and related material for **Livestock Farm** already available against the norms laid down in article 9 of the Uttar Pradesh Govt. order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024.	
13	Details (Year, make, date and cost) of equipments and related material **for different laboratories** already available already available against the norms laid down in article 9 of the Uttar Pradesh Govt. order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024.	
14	Details of **Biochemicals and reagents** available in the institution as per the norms laid down in article 9 of the Uttar Pradesh Govt. order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024 for affiliation of institutions offering/desirous of starting Diploma Course.	
15	Details of **books and journals in the library**: (list to be attached on separate sheet) as per norms laid down in article 9 of the Uttar Pradesh Govt. order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024.	
16	Details of **computers laboratory/internet facilities** in the college/hostels as per norms laid down in article 9 of the Uttar Pradesh Govt. order No. 07/2024/I/798726/37-3099/8/2023, dated 18.11.2024.	
17	**Project cost** A. Capital cost of land B. Buildings C. Plant and machinery D. Veterinary, Scientific and allied equipment E. Furniture and fixtures F. Preliminary and Preoperative expenses	
18	**Means of Financing the project** A. Contribution of the applicant B. Grants C. Donations D. Equity E. Term Loans F. Other Sources (if any)	
19	Name and address of the Public Information Officer and Appellate Authority to fulfil obligations under the Right to Information Act, 2005.	
20	Any other relevant information	

Annexure -III

DECLARATION

On behalf of the _____ (name of Trust/Society), I _____ son/daughter/wife of _____
r/o _____ do hereby declare that the particulars furnished above in the application for grant of affiliation to _____ (name of college/ institution) are correct to the best of my knowledge and belief and that I am prepared to accept any penalty, if any of the particulars furnished is found to be false or misleading. I also declare that the facilities/staff in the proposed college/institute have been developed as per 'Conditions and Guidelines for granting affiliation to the college/institute for imparting Diploma in Veterinary Pharmacy/Livestock Extension program" framed by DUVASU. I also declare that I shall abide by the conditions, rules and regulatory measures imposed by the University /Government of Uttar Pradesh from time to time for granting permission/affiliation to establish and run this college/ institution and maintain the academic standards.

Place: Signature of the applicant
Date: (or Authorized Signatory)

Witness

Name and address Signature
1.

2.

ANNEXURE-IV

(To be submitted on a non-judicial stamp paper of ₹ 1000.00 along with the application form)

I_____ son/daughter/wife of _____ r/o _____ (complete address) do hereby undertake and declare as under:

That, I will adhere to the Rules and Regulations framed by U.P. Pt. Deen Dayal Upadhayaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan,(DUVASU) Mathura-281001 for admissions, management, academic standards or any other matter in this respect.

That, I will abide by the Uttar Pradesh Government and DUVASU directions issued from time to time regarding the admission procedure, fee chargeable from the students or any other matter in this regard.

That, I will abide by the Uttar Pradesh Government rules regarding obtaining necessary approval for constructing buildings and abide by the guidelines of Uttar Pradesh Pollution Control Board / Animal Welfare Board of India or any other appropriate authority.

That, I will abide by directions of the DUVASU and Uttar Pradesh Government to provide necessary record of the College to the Inspection Team at the time of scheduled/surprise inspections/visits.

That, I will abide by DUVASU and Uttar Pradesh Government directions from time to time regarding the recruitment / selection of faculty / staff or any other matter in this regard.

That, I will abide by the Uttar Pradesh Government rules and Central Government rules and regulations regarding welfare of employees/labour such as ESI, EPF, Minimum wages etc.

That, I will abide by the provisions of Right to Information Act, 2005, as applicable.

That I will abide by the provisions with respect to revision of fee structure/charges and other terms and conditions related to affiliation rules and regulations of this college by State Govt./University, at any time, without any prior notice.

Place: Signature of applicant

Date: (or Authorized Signatory)