

INFORMATION BROCHURE

(2025 – 2026)

**FOR ADMISSION TO DIPLOMA IN VETERINARY PHARMACY AND
LIVESTOCK EXTENSION PROGRAMME**



**GOVIND BALLABH PANT UNIVERSITY OF AGRICULTURE &
TECHNOLOGY, PANTNAGAR – 263145, U.S. NAGAR
UTTARAKHAND, INDIA**

DIPLOMA IN VETERINARY PHARMACY & LIVESTOCK EXTENSION PROGRAMME

(Instructions for Admission in 2025-26)

1. ABOUT THE UNIVERSITY

The first agricultural university of India, UP Agricultural University, came into being by an Act of legislation, UP Act XI-V of 1958. The Act was later amended under UP Universities Re-enactment and Amendment Act 1972 and the University was rechristened as Govind Ballabh Pant University of Agriculture and Technology keeping in view the contributions of Pt. Govind Ballabh Pant, the then Chief Minister of UP. The University was dedicated to the Nation by the first Prime Minister of India Pt Jawaharlal Nehru on 17 November 1960. The G.B. Pant University is a symbol of successful partnership between India and the United States. The establishment of this university brought about a revolution in agricultural education, research and extension. The credit for starting the functioning of the University without losing any time goes to the warm and resourceful personality of the first Vice-Chancellor, late Dr. Kenneth Anthony Parker Stevenson (1-12-58 to 2-1-64), who could keep people fruitfully engaged on the university farm, the labs and the classrooms.

2. ABOUT THE COLLEGE

Veterinary college, earlier known as College of Veterinary Medicine was established in 1960, and renamed as College of Veterinary & Animal Sciences in 2003. This college imparts undergraduate and postgraduate education for producing competent veterinarians; to conduct basic and applied research on various aspects of livestock health, production and livestock products technology; to carryout veterinary and animal husbandry extension activities through farm advisory services, health care services, organizing animal welfare camps, livestock shows etc. and to provide expert advice in veterinary and animal husbandry matters including diagnostic services and health coverage programs. It endeavors to transform the illustrious students into skilled veterinarians, carry out innovative research on compelling issues of local and national interest and transferring technologies from lab to the ultimate users.

3. INFRASTRUCTURE OF THE COLLEGE

The College for its academic activities has fifteen departments and three independent units including Teaching Veterinary Clinical Complex (TVCC), Instructional Livestock Farm Complex (ILFC), Instructional Dairy Farm Complex (IDFC) and Instructional Poultry Farm Complex (IPFC). All the departments are manned by knowledgeable and efficient faculty members. The lecture theatres and laboratories are well furnished with state-of-the-art physical facilities and modern sophisticated equipment's.

4. DIPLOMA IN VETERINARY PHARMACY & LIVESTOCK EXTENSION

University takes pride in having started the need-based diploma courses in Veterinary Pharmacy & Livestock Extension in the state. The diploma programme is being started in College of Veterinary & Animal Science under self-finance scheme. Realizing the importance of livestock resources, veterinary education has been strengthened over the years; however, in view of the limited availability of qualified veterinary graduates, it is not possible for government to make their services available in each and every village.

Further veterinary doctors too require well-trained supportive staff to cater the technical pharmacy services & livestock extension more efficiently. Trained Veterinary Pharmacists & Livestock Extension workers are essential for efficient veterinary and livestock extension services at village level. They also assist in public health services and control of zoonoses, endemics and epidemics under the guidance of expert veterinary professionals.

Relatively large quantities of medicaments are required in treating animals. For these reasons it would be possible only when veterinary practitioner institutes adequate treatment in animals of limited value using relatively inexpensive pharmaceutical preparations compounded by him or veterinary pharmacists. Trained Veterinary Pharmacists & Livestock Extension workers are required for delivering services of pharmacy for compounding and dispensing medicines as per prescriptions of doctors and maintenance of hospital records in government veterinary hospitals and polyclinics. In addition, services of veterinary pharmacists Livestock Extension workers are also required in dairy and poultry farms. Presently, no such Diploma in Veterinary Pharmacy & Livestock Extension is awarded by any government or non-government institution in Uttarakhand and, therefore, persons from medical or paramedical streams are appointed in veterinary hospitals. It would be technically desirable if specific human resource is trained specifically in veterinary pharmacy & livestock extension. They would be useful in dairies and poultry sector besides serving in Government hospitals. Thus, in addition to job of veterinary pharmacy & livestock extension, they will have ample opportunities in livestock and poultry sectors at state and national level. In lack of any diploma programme of Veterinary Pharmacy & Livestock Extension, it will be of great relevance to create human resource by commencing diploma programme in Veterinary Pharmacy & Livestock Extension in the university which will provide trained veterinary pharmacists & Livestock Extension workers for public and private livestock and poultry sectors in Uttarakhand and other states.

In view of the requirements of trained human resource in the state of Uttarakhand, GB Pant University is starting the ***Two-year Diploma course in Veterinary Pharmacy & Livestock Extension (4 semesters plus 60 days internship)*** in the College of Veterinary and Animal Sciences. The details are as follows;

Name of the programme	Duration	Number of Seat	Medium of Instruction	Reservations
Diploma in Veterinary Pharmacy & Livestock Extension	Two Academic years (4 semesters) and 60 days of Internship	30 (15 seats for Uttarakhand & 15 seats for other states)	Bilingual i.e. English and Hindi.	For Uttarakhand domicile reservations would be followed as per the guidelines of Government of Uttarakhand or as notified by the University Registrar or competent authority for vertical reservation. For other states candidates would be treated as General candidates

5. MODE OF ADMISSION

- i. Admission to Diploma in Veterinary Pharmacy & Livestock Extension for a total of **thirty seats** shall be made on the basis of merit prepared by considering marks obtained in Entrance Examination 2025-26 *Graduation or equivalent examination for Two-year Diploma course in Veterinary Pharmacy & Livestock Extension*.
- ii. Diploma in Veterinary Pharmacy & Livestock Extension is a self-financed programme. Out of total of 30 seats, the 50% of seats shall be filled from the domicile of the State of Uttarakhand and rest of 50% seats shall be filled from the candidates other than Uttarakhand. However, vacant seats of any category shall be filled from the other categories.
- iii. No seat under this programme shall be left vacant. Reservation roster will be applicable only on 50% seats allotted to the domicile of Uttarakhand state.
- iv. The reservation policy regarding admission to applicant belonging to different category shall be applied as per the guidelines of Government of Uttarakhand or as notified by university Registrar or competent authority for vertical reservation.

6. ELIGIBILITY CRITERIA

- i. Candidate must have passed the Graduate in Biology or Agriculture examination from recognized Institution/University.
- ii. The candidate should have secured an OGPA of not less than 6.000/10.000 or 3.000/5.000 or 55% marks in aggregate in case of the Institutions/Universities where these scales are not applicable in the Bachelor's degree. 50% aggregate marks for General and OBC candidates and 45% aggregate marks for SC/ST candidates.

7. TIME OF ADMISSION

Admission to diploma programme shall be made at the commencement of the first semester of the academic year 2025-26.

8. AGE LIMIT

There is no any upper age bar for the candidates.

9. APPLICATION PROCEDURE

- **Only Online Application is accepted**
- To submit application form candidates should log on to the University website (www.gbpuat.org.in).
- **The candidates who are appearing the qualifying examination can only apply but final marksheet and degree is required at the time of counselling/ admission.**
- For detail see Annexure I

10. IMPORTANT SCHEDULED DATES

S.No	Specifications	Details
1.	Online filling form (Starting Date)	17.03.2025
2.	Online filling form (Closing Date)	30.04.2025

11. Application Form fee: Rs. 1200/- (General and OBC)
Rs. 600/- (SC/ ST)

12. (a) Basis of Selection for Admission

- (i) The Admissions Committee will decide the selection depending on merit list of applied candidates for the academic year 2025-26.
- (ii) Diploma programme in the event of two or more candidates securing equal marks, the merit shall be decided on the basis of marks secured in the Aptitude Test and then qualifying examination.**

12. (b) Document Verification

- (i) The candidates coming for document verification in the university should bring along with them the following documents for checking:
- Online Application Form
 - Receipt of Application fee
 - Seat allotment letter
 - Receipt of counselling fee
 - Receipt of programme fee
 - Self-Attested photocopies of High School Certificate and Marks-Sheet alongwith the originals.
 - Self-Attested photocopies of Intermediate Certificate and Marks-Sheet alongwith the originals.
 - Self-Attested photocopies of Graduation Certificate and Marks-Sheet along with the originals.
 - Self-Attested photocopies of Marks-Sheet and Certificate of any other higher degree qualifications that he/she may possess alongwith the originals.
 - Domicile Certificate of State of Residence issued by the competent authority.
 - Rural/Sports/Agriculturists Weightage Certificate, in original, as given in Prospectus, if applicable.
 - Character and Conduct Certificate in original from the Head of the Institution last attended.
 - Five-passport size photographs with name and Roll Number written on the back.
 - Original copy of the Valid Category Certificate.
 - Solemn Voluntary declaration form.
 - A Gap Certificate accounting for discontinuity of more than three months after leaving the Institution last attended. (Those employed should bring certificate from employer, others should produce a sworn affidavit duly notarized on stamp paper of Rs.10/- + Notary stamps Rs.10/- (total value Rs.20/).
 - The Migration/Transfer Certificate in original to be submitted within three months of the admission.
 - Medical fitness certificate in the prescribed format (**Appendix-II**).
 - **For EWS candidates, EWS Certificate issued for the financial year 2025-2026 will only be considered.**

13. REGISTRATION OF FRESH STUDENTS

Registration for the first semester of the year of a diploma Programme is a part of admission procedure and shall be governed by the admission rules. Admission of new students admitted through on the basis of merit prepared by considering marks obtained in Entrance Examination 2025-26 failing to register in the prescribed manner within seven days from the initial date of Registration will be cancelled.

14. MEDICAL EXAMINATION

All the admissions are subject to the medical and physical fitness as per medical standards **given in Annexure II**

15. ACCOMMODATION

Accommodation in the hostel shall be provided on first come first basis. In case of non-availability of accommodation candidates will be allowed to stay outside by their own arrangement.

16. REFUSAL OF ADMISSION

- (a) The Vice-Chancellor of the University reserves the right to refuse the admission of any candidate despite of his/her fulfillment of the academic requirements for admission, for reasons to be recorded in writing, whose admission in the opinion of the Vice-Chancellor shall not be in the best interest of the University. The decision of the Vice-Chancellor shall be final and legally binding on the candidate.
- (b) The students who have been permanently dropped or temporarily dismissed from this University either on account of acts of indiscipline, or those who have been debarred from seeking admission from this University shall not be allowed to seek admission. The students who are/were dropped from a diploma/degree programme of the University on account of poor academic performance shall be allowed to take admission as a fresh in other diploma/degree programmes by clearing the entrance examination as in case of others. However, they will not be allowed to take admission in the same programme. In case they are again dropped on account of poor academic performance they will not be allowed to take admission in any programme of the University in future.
- (c) It is the responsibility of the candidate to furnish full and correct information on the application form. Any admission made on the basis of wrong or concealed information supplied by the candidate or due to any over-sight or error on the part of Admission Cell and detected subsequently the admission or joining of the candidate, would be cancelled at the cost and risk of the candidate.

17. FEE AND REFUND OF FEE AT THE TIME OF COUNSELING /ADMISSIONS (For detail, please see annexure III)

Sl. No	Details of fee	Fee/student / Semester (Rs.)
1.	Counseling fee (One time)	500/-
2.	Diploma Course Fee (per semester)	50,000/-
3.	Admission Fee	10,000/-*
4.	Tuition Fee	11,000/-
5.	Internship Fee	20,000/-**
6.	Food Advance (per semester)	20,000/-
7.	Other Fee	See Annexure III

Note: In addition, each student has to pay other dues (as per Annexure-III) as per University rule including food advance, hostel charges, and library fees etc. as per University Rules. All dues are to be paid at the time of Registration of Each Semester. Academic Council will have right to revise the fees on recommendation of Co-ordinator of Programme and Dean, CVASc, as per need.

* To be deposited once at the time of registration for I Semester.
** To be deposited once at the time of registration for internship after completion of 4 th semester.

All the candidates eligible for counseling for admission shall have to deposit counseling fee of Rs.500/- (non-refundable) online before filling their choices. The total amount of University fee shall be paid by a candidate online through the website of the university after allotment of seat.

If the candidate fails to register within the stipulated period after document verification, his/her admission will stand cancelled automatically. The seat allotted to him/her will automatically be cancelled and go to the next round of counseling. **The fee deposited by the candidate will be refunded as per University rules.**

The total amount of University fee shall be paid by a candidate before issuing the ID number. The amount of University fee to be deposited at time of counseling may be seen from the University website.

**APPLICATION FOR DIPLOMA IN VETERINARY PHARMACY & LIVESTOCK
EXTENSION ADMISSION 2025-2026**

Note: (i) For **Diploma in Veterinary Pharmacy & Livestock Extension**, programme Bonafide Residents of Uttarakhand and Other state residents are eligible.

1. Application Procedure

(i) Only ONLINE application form procedure is available. To submit application form candidates should log on to the website: **www.gbpuat.ac.in/ www.gbpuat.org.in** of the University.

2. Online filling of Application form

(a) Online filing of application form for the Programme : 17-03-2025
to
30-04-2025

3. Application fee Details

	Amount (Rs.)
Application Fee	Rs. 1200.00 (General & OBC) Rs. 600.00 (SC/ST)

IMPORTANT INSTRUCTIONS FOR CANDIDATES

1. The application form must be filled up online in all respects. Incomplete application is to be rejected. No hard copy of the online application form is required.
2. If a candidate provides any wrong information in the application form, his/her application shall be summarily rejected. If any candidate secures admission in the

University by providing wrong information his/her admission shall be cancelled on detection of the facts at the cost and risk of the candidate.

3. All admissions shall be provisional and the Vice-Chancellor of the University reserves the right to cancel the admission granted to a candidate without assigning any reason.
4. The candidate should fully ensure before filling online application form that they fulfill the eligibility requirements for admission to the programme for which they are applying. The application fee once paid shall not be refunded in the event of rejection of the application. Only eligible candidates will be considered for admission.
5. In all matters relating to admission, decision of the Admissions Committee of the University shall be final.
6. The candidate shall have to deposit the total amount of fee prescribed by the University before issuing the I.D. number.
7. The candidate shall have to complete the registration formalities within one week of the commencement of registration process. Late reporting will not be accepted for admission in any circumstances.
8. In no circumstance's candidate admitted will be permitted for registration without their verification of certificate.
9. There shall be verification of the fingerprints of the admitting candidates.
 - (i) At the time of the counseling/admission.

अभ्यर्थियों के लिए महत्वपूर्ण निर्देश

1. अभ्यर्थी इस विवरण पत्रिका में दिये गये निर्देश सावधानी पूर्वक पढ़ें। आवेदन-पत्र सब प्रकार से पूर्ण होना चाहिए। अपूर्ण अथवा त्रुटिपूर्ण आवेदन-पत्र निरस्त किया निरस्त कर दिया जाएगा। ऑन लाइन आवेदन पत्र की हार्ड कापी भेजने की आवश्यकता नहीं है।
2. यदि कोई अभ्यर्थी अपने आवेदन-पत्र में गलत सूचना देता है तो उसका आवेदन-पत्र निरस्त कर दिया जायेगा और यदि कोई अभ्यर्थी गलत सूचना के आधार पर प्रवेश पा जाता है तो पता लगने पर उसका प्रवेश निरस्त कर दिया जायेगा जिसके लिए वह स्वयं उत्तरदायी होगा।
3. प्रथम चरण में सभी प्रवेश तदर्थ होंगे और विश्वविद्यालय के कुलपति को यह अधिकार है कि वह किसी भी अभ्यर्थी का प्रवेश बिना कारण बताये निरस्त कर सकते हैं।
4. आनलाइन आवेदन-पत्र भरने से पूर्व अभ्यर्थी सम्बन्धित पाठ्यक्रम में प्रवेश हेतु आवश्यक न्यूनतम शैक्षिक योग्यता सुनिश्चित कर लें क्योंकि एक बार आवेदन-पत्र निरस्त होने की दशा में जमा किया गया आवेदन शुल्क वापस नहीं होगा। केवल अर्ह योग्यता वाले अभ्यर्थियों के प्रवेश दिये जाने पर ही विचार किया जायेगा।
5. प्रवेश सम्बन्धी समस्त मामलों में अन्तिम निर्णय का अधिकार विश्वविद्यालय प्रवेश समिति को ही है।
6. अभ्यर्थी को विश्वविद्यालय का षटमास का पूरा शिक्षण शुल्क नामांकन संख्या प्राप्त करने से पूर्व जमा करना होगा।
7. अभ्यर्थी को पंजीकरण के तिथि से एक सप्ताह के अन्दर सभी पंजीकरण की प्रक्रियायें पूर्ण करनी होंगी। किसी भी स्थिति में देरे से आने वाले अभ्यर्थी को पंजीकरण की अनुमति नहीं दी जायेगी।
8. प्रवेश पाने वाले अभ्यर्थियों का पंजीकरण किसी भी परिस्थिति में उनके अभिलेखों की जांच हेतु दी गयी अन्तिम तिथि के बाद अनुमन्य नहीं होगा।
9. प्रवेशार्थियों द्वारा सत्यापन हेतु अंगूठे के निशान निम्न प्रकार लिये जायेंगे।
 - (1) काउन्सिलिंग/प्रवेश के समय।

INSTRUCTIONS TO CANDIDATES FOR FILLING OF ONLINE APPLICATION

- It is mandatory for each candidate to provide a valid mobile number in the application form. The Registration number, password and any other important communication regarding written examination/counseling (if needed individually) will be sent on the same registered mobile number of the candidate only. The candidates are requested to check regularly their messages on the registered mobile number for any communication from G.B. Pant University of Agriculture and Technology, Pantnagar. The candidates should not disclose password to any other candidate/person.
- Candidate should take utmost care to furnish the correct details while filling in online application form. Any mistake committed by the candidate shall be his/her sole responsibility.
- The candidate should ensure the completion of all Steps of the registration process and deposition of application fee as mentioned in the instructions by the stipulated date.
- Application once submitted will not be allowed to be withdrawn and fee once paid will neither be refunded in any case, nor shall it be held reserved for any other examination or selection process in future.

अभ्यर्थियों द्वारा ऑन लाइन आवेदन पत्र भरने हेतु निर्देश

- प्रत्येक अभ्यर्थी द्वारा आवेदन पत्र में एक उपयुक्त मोबाइल नम्बर अंकित करना अनिवार्य है। पंजीकरण संख्या, पासवर्ड एवं लिखित परीक्षा/काउन्सिलिंग सम्बन्धी अन्य महत्वपूर्ण सूचनाएं (यदि व्यक्तिगत रूप से देना आवश्यक हो तो) अभ्यर्थी के पंजीकृत मोबाइल नम्बर पर ही प्रेषित की जायेंगी। अभ्यर्थी गोविन्द बल्लभ पंत कृषि एवं प्रौद्योगिक विश्वविद्यालय से सम्बन्धित किसी भी सूचना हेतु अपने पंजीकृत मोबाइल नम्बर पर मैसेज नियमित रूप से चैक करें। अभ्यर्थी अपना पासवर्ड किसी अन्य अभ्यर्थी/व्यक्ति को न बताएं।
- ऑन लाइन आवेदन पत्र भरते समय अभ्यर्थी सही विवरण देने हेतु विशेष सावधानी बरतें। अभ्यर्थी द्वारा की गई किसी भी त्रुटि के लिये वे स्वयं उत्तरदायी होंगे।
- अभ्यर्थी निर्देशों में दी गई पंजीकरण प्रक्रिया व परीक्षा फीस जमा करने सम्बन्धी समस्त कार्यवाही निर्धारित तिथि तक पूर्ण करना सुनिश्चित करें।
- एक बार जमा किये गए आवेदन पत्र वापस नहीं किये जायेंगे तथा जमा की गई फीस किसी भी स्थिति में न तो वापस की जायेगी और न ही भविष्य में आयोजित होने वाली किसी भी परीक्षा या चयन प्रक्रिया हेतु सुरक्षित रखी जायेगी।

Step-I : Registration.

1. Write Email id.
2. Write Mobile Number (Do not prefix 0 or +91 before mobile number).
3. Write Candidate name (Do not use prefix such as Mr./Ms./Shri./Dr.)
4. Write/Select Date of Birth (dd/mm/yyyy Format) as in High School Certificate.
5. Select Program Applying For.
6. Select Your Domicile State (Uttarakhand/Other).
7. Write captcha Code.

Step-II : Login

8. Write Mobile Number (Do not prefix 0 or +91 before mobile number).

OR

Write Registration Number Received on Your Registered Mobile Number.

9. Enter Password received on Your mobile Number

Step-III: Fill Application Form:

10. Write Father's Name (do not write any prefix such as Shri. /Mr./Dr.).
11. Write Mother's Name (do not write any prefix such as Mrs./Smt./Dr.).
12. Enter Aadhaar Number or Aadhaar Enrollment Number.
13. Select Nationality - Indian/Other.
14. Select Gender - Male/Female/Other.
15. Select category you belong to.
16. Select Sub-category you belong to.
17. Select Religion you belong to.
18. Select EWS Candidate? – YES/NO (Only for General category).
19. Select Your Blood Group and RH factor (RH+/RH-).
20. Have you ever been student of GBPUA&T – YES/NO.
21. Write GBPUA&T Student Id (In case of YES).
22. Upload all required certificate's (If available).
23. Write Alternate Mobile Number and Landline Number (Optional).
24. Fill up the Correspondence Address, District, Pin and select State.
25. Fill up the Permanent Address, District, Pin and select State.
26. Fill up the Education/Qualification Details.
27. Select Qualifying Examination).
28. Select Status of Qualifying Examination- Passed.
29. Upload Photo, Signature and Left-Hand Thumb Impression.

Instructions regarding scanning of PHOTOGRAPH, SIGNATURE and LEFT-HAND THUMB IMPRESSION: Scanned (digital) image of photograph, signature and thumb impression should be uploaded as per the specifications given below:

i. Photograph Image:

- Photograph must be a recent passport style colour picture.
- Make sure that the picture is in colour, taken against a light-colored, preferably white, background.
- Look straight at the camera with a relaxed face.
- If the picture is taken on a sunny day, have the sun behind you, or place yourself in the shade, so that you are not squinting and there are no harsh shadows.

- If you have to use flash, ensure there's no "red-eye".
- If you wear glasses make sure that there are no reflections and your eyes can be clearly seen.
- Caps, hats and dark glasses are not acceptable. Religious headwear is allowed but it must not cover your face.
- Dimensions 200X230 pixels (preferred).
- Size of file should be between 20kb-50kb.
- Ensure that the size of the scanned image is not more than 50kb. If the size of the file is more than 50kb, then adjust the settings of the scanner OR adjust the size of PHOTO in Paint or any other Picture Tools.

ii. Signature image:

- The applicant has to put signature on white paper with Black/Blue ink pen.
- The signature must be signed only by the applicant and not by any other person.
- The signature will be used to put on admit card and wherever necessary.
- If the Applicant's signature on the answer script, at the time of the examination does not match the signature on the admit card, the applicant will be disqualified.
- Please scan the signature area only and not the entire page.
- Dimensions 140X60 pixels (preferred).
- Size of file should be between 10kb – 20kb.
- Ensure that the size of the scanned image is not more than 20kb.

iii. Left Hand Thumb Impression Image:

- The applicant has to put left hand thumb impression on white paper.
- After Scanning ensure that the size of the scanned image is not more than 20kb.
- Dimensions 140X60 pixels (preferred).
- Size of file should be between 10kb – 20kb.

If the file size and format of Photograph, Signature and Thumb do not match with prescribed size and format or not properly loaded, an error message will be displayed. In such case the candidate has to rectify the size and reload it.

iv. Submit Application fee.

The candidates can deposit fee in the following ways:

Debit/Credit Card/Internet Banking: The Applicants can deposit fee Online by means of **Debit Card/Credit Card/Internet Banking**. Applicants are advised to keep with them the copy of the "**Online Fee Receipt**" as a token of remittance of fee for future reference.

On successful registration of on-line application, candidates are advised not to attempt for registration for the same Course again since multiple registration numbers and passwords may create problem for candidates in future. In case of multiple registrations for the same Course, the candidature is liable for cancellation/rejection without any notice/intimation to the candidate.

- v. Print Confirmation page and preserve it with you.

THIS COMPLETES THE PROCESS OF ONLINE FILLING OF APPLICATION FORM AND SUBMISSION TO THE CONTROLLER OF EXAMINATION.

Annexure-II

**FORMAT FOR MEDICAL CERTIFICATE
(FROM A MEDICAL OFFICER OF A GOVT. HOSPITAL/PANT UNIVERSITY HOSPITAL)**

Name of Candidate:		Age:		Sex:	
Roll No.:		Category:		Subcategory:	
Merit Position:		Father's Name:			
(To be filled in by the candidate)					
L.T.		M.I.	V		
Height	Weight	Chest	I		Without glass
		Abdomen	S		
			I		
			O		
			N		With glass

History	Operation Seizures	Kock's Asthma	Colic's Piles	BP Diabetes
E	Pulse	Tonsil	DNS	Hernia
X				
A				
M	Pallor	L Nodes	CSOM	Hydrocele
I				
N				
A	Cardiovascular		CNS	
T				
I	Respiratory		GIT	
O				
N	Genitourinary		Others	
S				
Is the candidate physically handicapped : Yes/ No				
If yes. Type and extent of handicap (Please write) : Type -I: One leg or hand defective				
Type _____ : Type -II: One leg missing				
Extent _____ % : Type - III One hand missing				
Any other type of handicap (Please specify) :				
Any other finding:				
Final result. (Fit/Unfit)based on the medical standards given in Appendix III of the Prospectus (overleaf) for the purpose of Admission.				

Signature of Candidate

Signature of Medical Officer

(with official stamp)

Registration No.:

Date:

MEDICAL STANDARDS

1. General Requirement

The candidate should possess good general physique and should be free from any infectious or contagious disease. He/She should be free from any physical or mental illness or defect likely to interfere with the training in the University.

2. **Heart and lungs:** No significant abnormality should be present.

3. **Hernia, Hydrocele:** There should be no hernia or hydrocele. If present corrected before admission.

4. **Vision:**

(a) Normal without glasses. Where defective, it must be corrected to 6/9 in better eye and 6/12 in the other eye.

(b) There should be no colour blindness for major colours.

5. **Hearing:** Normal in the both ears. Where defective, it must be corrected beforehand.

6. **Speech:** There should be no major speech defects.

The candidate claiming for above benefit should submit along with application form a certificate from Chief Medical Officer of the District certifying the extent of Physical Handicap.

Note:

1. The candidates are well advised to set themselves checked up for any defect and get the same rectified before taking admission to avoid rejection.

ANNEXURE-III**FEE STRUCTURE**

Sl. No.	Particular	Diploma in Veterinary Pharmacy & Livestock Extension
(A) Fee once at the time of admission		(Rs.)
1.	Counseling Fee (one Time)	500.00
2.	Caution Money (Refundable)	2500.00
3.	Admission Fee (once in I Semester Registration)	10000.00
Sub Total (A)		13000.00
(B)	Annual Fee	
4.	Students Aid fund	100.00
5.*	Student Hostel Maintenance fund (If residing outside no fee will be charged)	1500.00
6.	E-mail / Internet Fee (CCF)	1000.00
7.	Med Claim	754.00
Sub Total (B)		Rs. 3354.00
(C). SEMESTER FEE (Rs.)		
8.	Diploma Course Fee	50000.00
9.	Tuition Fee	11000.00
10.	Library Fee	400.00
11.	Medical Fee	250.00
12.	Games Fee	250.00
13.	Examination Fee	500.00
14.*	Hostel Room Rent (If student will reside outside are hostel fee will not charged)	300.00
15.*	Electric Charges	
	(i) Double Seated room	1000.00
	(ii) Triple Seated room	750.00
16.*	Water Charges	60.00
17.*	Food Advance	20000.00
Sub Total (C)		Rs. 84510.00
Grand Total (A+B+C)		100,864.00
18.	Internship Fee (To be deposited once at the time of registration for Internship after completion of 4 th semester)	20000.00

* If student will reside outside the hostel the hostel fee will not be charged.

- University reserves the right to change the fee structure/rates at any time or during the course of study.
- Fees once deposited shall be refunded as per University Rule and Procedure in any case on any ground.

CONTACT FOR ANY ENQUIRY PLEASE CONTACT

		Contact Address	Email	Phone
1.	Dean	College of Veterinary & Animal Sciences, GB Pant University of Agriculture & Technology, Pantnagar-US Nagar Uttrakhand - 263145	dean.vaspgr@gmail.com	05944-233347
2.	Dy. Coordinator	Diploma in Veterinary Pharmacy & Livestock Extension, College of Veterinary & Animal Sciences, GB Pant University of Agriculture & Technology, Pantnagar-US Nagar Uttarakhand -263145	drsudhirvet@yahoo.co.in	9412931819

DISCLAIMER

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

SYLLABUS FOR ENTRANCE EXAMINATION OF DVPLE PROGRAMME

LIFE SCIENCES

UNIT- I

Morphology and anatomy of land plants, Cell cycle, cell division, senescence, life cycle of an angiosperm, pollination, fertilization, embryogenesis, seed formation, seed storage proteins, seed dormancy and germination. Concept of cellular totipotency, organogenesis and somatic embryogenesis, Principles of Mendelian inheritance, linkage, recombination and genetic mapping; extrachromosomal inheritance; gene mutation, chromosome aberrations (numerical and structural), transposons. Introduction to Plant Breeding. Pteridophytes and Bryophytes, Taxonomy and Plant Geography

UNIT- II

Diversity, distribution, systematics and phylogeny of animals, Origin of life, history of life on earth, evolutionary theories, natural selection, adaptation, speciation. Principles of inheritance, molecular basis of heredity, the genetic material, transmission of genetic material, Structure of cell, cellular organelles and their structure and function, cell cycle, cell division, Comparative physiology of different systems, Parasitic organisms and host-parasite relationship,. Immune response, cellular and humoral immunity, evolution of the immune system: Embryonic development, cellular differentiation, organogenesis. metamorphosis, genetic basis of development. The ecosystem, habitats, species diversity, zoogeography and Animal behavior.

UNIT- III

Structure of atoms, molecules and chemical bonds, Isomerism, hydrogen bond and hydrophobic interaction in biomolecules; Chemistry of biomolecules-carbohydrates, amino acids, proteins, lipids and nucleic acids,. Enzymes and their kinetics, factors affecting enzyme activity, Competitive and non-competitive inhibitions. Coenzymes and cofactors, Metabolism of carbohydrates, fatty acids and proteins. eukaryotic genome organization (chromatin structure), Genetic code, replication, transcription and translation. Regulation of gene expression, Plant pigments, Secondary metabolites, Vitamins, Hormones and metabolic regulation.

UNIT- IV

Spontaneous generation theory-Germ theory-Discovery of antibiotics-Types of microscopes-Principles and equipment of different kinds of sterilisation-staining Techniques-Nutritional types of bacteria-Growth curve-Factors influencing bacterial growth-Fermentation and other Metabolic pathways: Principle and Application-Classification of Bacteria-Gene transfer methods in microorganisms Antigen and antibody reaction. Role of microbes in carbon and nitrogen cycles-Influence of Rhizosphere on soil microorganism. Microbes in Industry and health

UNIT- V

Plant physiology and its significance in agriculture; physical properties and chemical constitution of protoplasm; plant cell water relation-imbibition, surface tension, diffusion, osmosis; absorption and translocation of water and nutrients; transpiration, guttation, mineral

deficiencies and their symptoms; physiological: disorders, correction, hydroponics, foliar nutrition aerobic and anaerobic respiration; Photorespiration Factors affecting respiration and Photorespiration. Photosynthesis- modern concept and the factors affecting photosynthesis, nitrogen fixation growth development and differentiation; growth hormones, growth retardants, growth inhibitors and their use in agriculture; tropism in plants photoperiodism and vernalization; seed dormancy, germination; fruit ripening process and its control.

UNIT- VI

Concepts and scope of biotechnology, Tissue culture and its applications, Micropropagation, Meristem culture and production of virus free plants. Anther and microspore culture. Embryo and ovary culture. Protoplast isolation, fusion, and somatic hybridization, cybrids, somaclones, synthetic seeds, In vitro germ conservation, Cryopreservation, Organellar DNA, satellite and repetitive DNA, DNA repair, Recombinant DNA technology, Cloning vector, Restriction enzymes, Gene cloning. Methods of gene transfer in plants, Achievements and recent developments of genetic engineering in agriculture.

UNIT- VII

Ecology and its relevance to life, natural resources-their management and conservation, Climatic elements as factors of crop growth, Impact of change in environment on cropping patterns, Change in environment due to agricultural environmental pollution and associated hazards to crops and animals, Human liquid and solid waste disposal, Pollution prevention and remediation, Concepts and dynamics of ecosystem component, Food chain and energy flow, Productivity and biogeochemical cycle, Types of ecosystem, Population ecology and biological control, Community structure and organization, Sustainable development, Economic importance of microbes, plants and animals.

UNIT- VIII

Electronic configuration of elements, periodic classification of elements, atomic number, atomic and ionic radii, ionization potential, electron affinity and electro negativity, electronic theory of valency, sigma and pi-bonds, hybridization and directional nature of covalent bonds, metallic bonds, VSEPR theory, V.B. and MO theory, ionic solids and weak interactions, Lewis and Bronsted theories of acids and bases, hard soft acid and bases (HSAB), oxidation states and oxidation number, common oxidizing and reducing agents, Ionic equations. Natural and artificial radioactivity, radioactive decay, nuclear fission and fusion. Chemistry of the common elements and their compounds. Principles of extraction isolation (and metallurgy) of important elements. Chemistry of transitional elements, lanthanides and actinides. Structures of hydrogen peroxide, diborane, aluminium chloride and the important oxyacids of nitrogen, phosphorus, chlorine and sulphur. Interhalogen compounds.

Outlines of the manufactures of: sodium carbonate, sodium hydroxide, ammonia, nitric acid, sulphuric acid, cement, glass, ceramics and artificial fertilizers.

Inert gases: Isolation and Chemistry, structure of inert gas compounds.

Werner's theory of coordination compounds, V.B. and M.O. theory of bonding in metal complexes, electronic spectrum, magnetic and spectral properties of metal complexes. Organo metallic compounds. Bioinorganic chemistry, biological role of alkaline earth metal ions, metalloporphyrins.

Analytical chemistry: Principles and methods of chemical analysis, principles involved in separation techniques, chromatography.

UNIT- IX

Modern concepts of covalent bonding, bond lengths, energy and bond angles, electron displacements, inductive, electromeric, mesomeric and hyper conjugative effects, resonance and its applications to organic chemistry, tautomerism, effects of structure on chemical reactions, dissociation constants.

Mechanism of organic reactions: Types of reagents and organic reactions, reaction intermediates, product analysis, isotope effects, kinetic and stereo chemical studies.

Stereochemistry: Optical and geometrical isomerism, chirality, enantiomers, stereogenic centers, diastereomers, resolution and racemization, relative and absolute configuration, sequence rules, E&Z and R&S nomenclature, concept of conformation and conformational analysis of ethane, butane and cyclohexane and sugars.

Chemistry and reactions of derivative of aliphatic and aromatic compounds including: Alkanes, alkynes and alkenes. arenes and aromaticity, benzene and polynuclear hydrocarbons, alkyl and aryl halides, SN1, SN2 and SNi reactions, nuclear and side chain reactions, aromatic substitutions reactions, elimination reactions. Aliphatic and aromatic alcohols and phenols, ethers and epoxides, aliphatic and aromatic aldehydes and ketones, aliphatic and aromatic carboxylic acids and their derivatives, aliphatic and aromatic amines and amides, synthetic applications of diazonium salts. Amino-acids.

Reactions and applications of organometallic compounds, Acetoacetic and malonic esters, Organic synthesis via enolates.

Heterocyclic compounds, pyridine, quinoline, thiophene, furan and pyrrole.

Important organic name reactions and rearrangements of synthetic importance.

Carbohydrates, classification and general reactions, glucose, fructose and amino acids and proteins, terpenoids and alkaloids. Polymers, dyes and pigment.

Theory and application of spectral techniques, UV, IR and NMR in structure elucidation of simple organic molecules.

UNIT- X

Elementary quantum mechanics

Gaseous states: Kinetic theory of gases and gas laws, Maxwell's law of distribution of velocities, Van der Waal's equation, Law of corresponding states, Liquification of gases, Ratio of Cp/CV.

Thermodynamics: The first law of thermodynamics, Isothermal and adiabatic expansion, Enthalpy, heat capacities, Thermo chemistry –heats of reaction, formation, solution and combustion, Calculation of bond energies, Kirchhoff equation, Criteria for spontaneous changes, second law of thermodynamics entropy. Free energy, criteria of thermodynamic equilibrium.

Solutions: osmotic pressure lowering of vapour pressure, depression of freezing point, elevation of boiling point, determination of molecular weights, association and dissociation of solutes.

Chemical equilibrium, law of mass action and its applications to homogeneous and heterogeneous equilibrium, Le Chatelier's principle, Influence of temperature on chemical equilibrium.

Electrochemistry: Faraday's laws of electrolysis, conductivity of an electrolyte: equivalent conductivity and its variation with dilution, solubility of sparingly soluble salts, electrolytic dissociation, Ostwald's dilution law, anomaly of strong electrolytes, solubility product, strength of acids and bases: hydrolysis of salts, hydrogen ion concentration buffer action, theory of indicators.

Electrochemical cells: Reversible cells, standard hydrogen and calomel electrodes and redox-potentials, concentration cells, determination of pH transport number and ionic product of water, Potentiometer titration, chemical kinetics: Molecularity and order of a reaction, First order and second order reactions, Determination of order of a reaction, temperature coefficients and energy of activation, Collision theory of reaction rates, Activated complex theory.

Phase rule: Explanation of the terms involved, Applications to one and two component system, reduced phase rule, distribution law.

Colloids: General nature of colloidal solutions and their classification, general methods of preparation and properties of colloids, coagulation, protective action, gold number, adsorption phenomenon and adsorption isotherms.

Catalysis: Homogeneous and heterogeneous catalysis, catalytic promoters and poisons.

Photochemistry: Law of photochemistry. Simple numerical problems.

AGRICULTURE SCIENCE

The questions will be asked from all the courses studied by the candidate at undergraduate level (B.Sc. Agri.).