

[AS INTRODUCED IN THE SENATE]

**A
Bill**

to constitute the Pakistan Animal Science Council in Pakistan

WHEREAS it is convenient to regulate the registration practice (Livestock and Poultry Production, Management, Feeding practices, Breeding Management and Aquaculture Production but not the animal health) and conduct of the Animal Science (Livestock and Poultry) graduates to establish uniform standards of basic and higher qualifications and to constitute a Pakistan Animal Science Council (PASC) in the country;

It is hereby enacted as follows:-

1. Short title, extent and commencement.- (1) This Act shall be called as the Pakistan Animal Science Council Act, 2023.

(2) It shall extend to the whole of Pakistan.

(3) It shall come into force at once.

2. Definitions.- In this Act, unless there is anything offensive in the subject or context,-

- (a) **“Animal”** means any creature which can grow, reproduce and move of its own free will including all kinds of farm animals and birds. Here we refer to farm animals i.e. cow, buffalo, sheep, goat, others (camel, horse, donkey and mule) including poultry birds (avian spp);
- (b) **“Animal Breeding”** a branch of animal science which deals with the evaluation of the genetic value (estimated breeding value, EBV) of livestock to implement selection program for improvement;
- (c) **“Animal Husbandry”** the branch of science which deals with the production of domestic animals or livestock and poultry and embraces all phases of breeding, feeding, management, welfare and marketing;
- (d) **“Animal Nutrition”** encompasses the full gamut of animal nutritional science, including fundamental aspects such as nutritional requirements, metabolic studies, body composition, energetics, immunology, neuroscience, microbiology, genetics and molecular and cell biology related to dietary nutrient needs of animals (livestock and poultry), primarily those in agriculture and food production;
- (e) **“Animal Production”** (i) means the science and subject of production, management and marketing for livestock and poultry production and their prophylaxis, (ii) Animal Production deals with domestic animals raised in an agricultural setting to produce commodities such as food, fiber and transportation;
- (f) **“Animal Science”** (i) deals with production and management of farm animals, concerned with foods of animal origin, milk, dairy, meat and eggs and their marketing and welfare, (ii) Animal Science is concerned with the science and business of producing domestic livestock and poultry species including, but not limited to milk, dairy cow and buffalo, beef cattle, camels, horses and other draft animals;
- (g) **“Animal Scientist”** An animal scientist applies principles of the biological, physical and social sciences to the problems associated with livestock and poultry production, management, welfare and marketing. Also concerned with foods of animal origin: milk, meat, dairy foods, and eggs, etc;
- (h) **“Dairy”** a facility, building or establishment where milk is kept and butter, cream or cheese and other products are made;
- (i) **“Dairy Science”** the program which covers the basic principles of animal nutrition, physiology, lactation, genetics, reproduction and enterprise management;
- (j) **“Feed Technology”** involves the processing of ingredients and the manufacture of animal feeds and is an integral part of animal production systems to provide high quality and nutritious food;
- (k) **“Genetics”** deals with the study of inheritance of characters;
- (l) **“Livestock”** is commonly defined as domesticated animals raised in an agricultural setting to produce labor and commodities such as milk, meat, eggs, fur, leather, wool, hair and other related products;

- (m) **“Livestock Management”** is a branch of animal science which deals with the series of techniques / technologies including feeding, housing, breeding, etc. in such a way that maximum production; could be obtained from farm animals within available resources;
- (n) **“Livestock Production”** A program that focuses on the application of biological, chemical, mechanical and electromechanical principles to the production, management, welfare and marketing of livestock, poultry and their products;
- (o) **“Poultry”** (i) Poultry refers to those species of the birds which are beneficial to mankind from economic point of view and can reproduce freely under men care; (ii) It can be defined as domestic fowls, including chickens, turkeys, geese, ducks quail and ostrich raised for production of meat or eggs and the word is also used for the flesh of these birds used as food. All of the different types of poultry can be organized into four categories: land fowl, waterfowl, game and others;
- (p) **“Poultry Farming”** is a practical application of poultry husbandry which raises domesticated birds such as chickens, ducks, turkeys, geese and quails to produce meat or eggs for good. Chickens raised for eggs are known as layers, while chickens raised for meat are called broilers;
- (q) **“Poultry Science”** (i) A branch of animal science which deals with the principals and practices involved in rearing, brooding, feeding, breeding, management and marketing of poultry and its products, (ii) means the subject of science to learn how to manage poultry farm , where birds such as chickens, ducks, quails, ostrich and geese are raised for their eggs and meat The subjects, of poultry biochemistry, bird biology and nutrition, food science and technology human and animal health and safety are part of it;
- (r) **“Aquaculture Production”** includes the breeding, rearing, and harvesting of fish, shellfish, algae and other organisms in all types of water environments;
- (s) **“Veterinary Science”** is a subject that concerns with the treatment of a range of different animals - from domestic pets to farmyard animals - and combines an array of subjects like anatomy, parasitology gastroenterology, medicine and surgery;
- (t) **“Council”** means the Pakistan Animal Science Council (PASC) constituted under this Act;
- (u) **“Member”** means a member of this Council;
- (v) **“Register”** means the Animal Science/Animal Production Graduates (livestock, dairy and poultry) maintained under section 15;
- (w) **“Prescribed”** means prescribed by regulations of the Council; and
- (x) **“Register”** means regulations made under section 20.

3. Composition and Incorporation of the Council.- (1)The composition of the council shall be constituted in accordance with the provision of this Act: a Council to be known as the Pakistan Animal Science Council (PASC).

(2) The Council shall be a body corporate having perpetual succession and a common seal with powers to acquire, hold and dispose of property and enter into contract and shall be its name sue or be sued.

(3) The Council should consist of the following:-

- (a) One member each to be nominated by the Vice Chancellor of each University having the recognized basic degrees of Animal Science/Poultry Science or any one of the basic animal production degrees.
- (b) The Dean, Faculty of Animal Husbandry, University of Agriculture, Faisalabad (UAF) will be member by designation.
- (c) One member each to be nominated by the relevant Head of Department any Institute where production graduates are performing their duties in similar disciplines.
- (d) One member from each Province to be nominated by the Provincial Government having any one basic degree of animal/poultry science/animal production.
- (e) Four members to be elected from among themselves by the Central Executive Committee of Pakistan Animal Scientists Welfare Association (PASA), a registered society with the Society Registration Act, 1860 (Act No. XXI of 1860) with Commissioner Office, Faisalabad (<http://society-reg.punjab.pk>), Pakistan.
- (f) One member each to be nominated by the Head of each Animal Husbandry non degree

awarding institution(s) in Pakistan which trains for a recognized animal production qualification or diploma.

- (g) Two members to be nominated by PASA from the Livestock and Poultry industry and Animal Husbandry Commissioner (AHC), Livestock Division, Government of Pakistan, Islamabad.
 - (h) One member from the Directorate of Fisheries and Aquaculture, Lahore will be on the Council.
 - (i) The RVFC HQ, Rawalpindi will be asked for nomination of one member on the Council.
- (4) No person shall be qualified to be elected as a member of the Council unless:
- (a) He / she is registered with the council: and
 - (b) He / she acquires a basic recognized animal production qualification obtained not less than three years before his election:

Provided the qualification at above shall not apply to a person to be elected for the first Council, but such person shall get himself registered with the Council within six months of its constitution.

- (5) The headquarters of the council shall be at Islamabad.

4. Tenure of Office Bearers of the Council.- (1) A member shall hold office for a fix term of three years, but shall be eligible to be reelected or re-nominated.

(2) When the term of office of a member is about to expire, his successor shall be elected or nominated, as the case may be any time within three months before the term expires, but he shall assume office only after expiry of the term of the incumbent.

(3) A member may, at any time, resign his office by tendering his resignation in writing to the President of the Council.

(4) A casual vacancy in the office of member shall be filled in through election or nomination, as the case may be, within three months of the occurrence of the vacancy. A member elected or nominated to fill a casual vacancy shall hold office till the tenure of the cabinet.

(5) A member shall cease to hold office, and his office shall be declared vacant. If he fails to attend three consecutive meetings of the Council without any solid justification.

(6) The Council shall have a President and a Vice President to be elected by secret ballot by registered members.

(7) The President and Vice President shall hold office for a tenure of three years.

(8) The General Secretary and Treasurer will be elected through secret ballot by the members by the Council. Their tenure will also be for three years.

5. Functions and Powers of the Executive Committee. – (1) There shall be an Executive Committee of the Council comprising of all the office bearers of four and five other members to be elected or nominated by the council members. In addition, to the powers and duties conferred and imposed upon it by this Act, the Executive Committee shall exercise such powers and discharge such duties as may be prescribed.

(2) The Executive Committee may constitute committee(s) for general or special purposes as it may deem necessary to carry out the purposes of this Act.

(3) The Executive Committee (EC) of the Council will regulate the fund raising, membership fees, accreditation fees and other funds related income and expenditure matters.

(4) The EC will arrange an external auditor for annual audit of the Council.

6. Officers Officials of the Council.- (1) The Governing Body (EC) may appoint certain officers and officials, as it may deem necessary to carry out the specialized purposes of the Act.

(2) All persons appointed or employed by the EC shall be deemed to be public servants within the meaning of section 21 of the Pakistan Penal Code (XLV of 1860).

7. Rules and Regulations of the Council.- Rules and regulations of the EC for its business and member's/committee's affair will be formulated for its smooth working and functioning.

8. Terms and Conditions for the Remunerations.- (1) The EC may approve the remunerations and allowances to the Executive Committee of the council following the directions of the Ministry Concerned i.e. Inter Provincial Coordination (IPC), Islamabad.

(2) The EC may fix the remunerations of the officers, officials or any committee, as it may deem necessary as per their work and assignment.

9. Recognition of Qualifications granted by Various Institutions.- (1) The qualifications granted by Animal Husbandry/Animal Science Institutions in Pakistan which are included in the First Schedule (I) shall be recognized as Animal Husbandry and Animal Science (Livestock, Dairy) and Poultry Science qualifications or other related variants for the purpose of this Act.

(2) Any Animal Science institution in Pakistan which grants Animal Science, Animal Production qualifications, not included in the Schedule I, may apply to the Ministry Concerned i.e. Inter Provincial Coordination (IPC), Islamabad to have such qualification recognized and the concerned Ministry after consulting the Council by notification in the Official Gazette amend the Schedule I so as to include such qualification therein.

(3) The notification referred to in sub-section (2) may also direct that an entry shall be made in the last column of Schedule I against the qualification declaring that it shall be a recognized qualification only when granted after a specified date.

10. Ex-Pakistan Qualifications to be Recognized.- The Animal Husbandry / Animal Science qualifications granted by Agricultural/Animal Science/Veterinary institutes outside Pakistan which are included in the Schedule II shall be recognized as Animal Science qualifications for the purposes of this Act.

11. Arrangement for Modifying the Second Schedule.- (1) At any time the Council may enter into negotiations with the appropriate authority in any State or Country outside Pakistan for the settling of a scheme of reciprocity for the recognition of Animal Science qualifications and in pursuance of any such scheme, the IPC Ministry may by notification in official Gazette amend the Schedule II so as to include therein any Animal Science qualification which the Council has decided to recognize.

(2) The notification referred to in sub-section (2) may also direct that an entry shall be made in the last column of the Schedule II against the Animal Science qualifications accepting that it shall be recognized qualification only when granted after a specified date.

(3) The concerned Ministry (IPC) after consultation with the Council, may by notification in the Official Gazette, amend the Schedule II by directing that it shall be a recognized qualification only when granted before a specified date.

(4) Where the Council has refused to recognize any Animal Science qualification which has been proposed for recognition by any such authority that authority may apply to the Ministry, and the Ministry after considering such application and the Council's reason for such refusal may, by notification in the Official Gazette amend the Second Schedule (II) so as to include such qualification therein and the provisions of sub-section (2) shall apply to such notification.

(5) The Ministry of IPC after consulting the Council, may, if it thinks fit direct that a Animal Science qualification granted by an institution in a State or Country outside Pakistan shall be a recognized qualification for such period and subject to such conditions as may be specified in the direction, as it were mentioned, in the Second Schedule notwithstanding that a reciprocal scheme of recognition has not been entered into between the Council and the appropriate authority in that State or Country as in referred to in sub-section (1).

(6) If the Council is satisfied that a person is, by reason of qualification granted by an Agriculture/Animal Science/Veterinary institutions outside Pakistan, not included in the Schedule II. and of experience gained in any part of Pakistan, possessed of qualifications which entitle him to be recognized as possessed of sufficient qualification for the purposes of this Act, it may with the approval of the IPC Ministry certify that the person is possessed of such qualification: and on such certification by the Council the person shall be deemed to be possessed of recognized qualification for such period and subject to such condition as may be specified by the Council in this behalf.

12. Information regarding Scheme of Studies and Examinations.- (1) Every institution in Pakistan which trains for, or grants, or both trains for and grants a recognized Animal Sciences (Livestock, Dairy and Poultry) qualification shall provide information on scheme of studies, courses, syllabi and examination procedures as the Council may need from time to time require as to:

- (i) the scheme of courses of the study and examination procedures to be undergone in order to obtain such qualifications;
- (ii) the minimum age of candidate at which such courses of study can be undertaken on admission in the institution;

- (iii) examinations required to be undertaken to get such qualifications, and generally, as to the pre-requisites for obtaining such qualifications.

13. Inspection of Examinations.- (1) The Executive Committee shall appoint any number of inspectors for various institutions as it may deem necessary:

- (a) To attend at any or all of the examinations held by Animal/Poultry Science institutions in Pakistan for the purpose of granting recognized qualifications or in respect of which recognition has been sought;
- (b) To look into Faculty, their qualifications, Dept. labs/Libraries, experimental farms, hatcheries, research projects and technical facilities available at any concerned institution of Pakistan for evaluating any short falls or deficiencies and assessing the requirements of such institutions in terms of expertise and equipment's.
- (c) The inspector appointed under this section shall not interfere with the conduct of any examination of research studies, but he shall report to the EC on the sufficiency of the examination of the research paper which he attends and on the courses of study and facilities of teaching and research provided by the institution at different stages in respect of such examination research and on other matters in regard to which the EC may require them to report.
- (d) The Executive Committee shall forward a copy of any such report to the institution concerned and shall also forward a copy with the remarks of such institution thereon to the concerned Ministry.

14. Withdrawal of Recognition.- (1) When upon report of the EC it appears to the Council that the courses of study and examinations to be gone through in any institution in Pakistan in order to obtain a recognized Animal/Dairy/Poultry Science qualifications or that the standard of proficiency required from candidates at any examination held for the purpose of granting such qualification or standard of research studies and facilities is not such as to secure to persons holding such qualifications the knowledge and skill requisite for the efficient practice of scientist as Animal Production-or to contribute to the advancement of Animal Protein production, the Council shall make a representation to that effect to the Ministry of IPC.

(2) After considering such representation, the Ministry shall forward it along with such remarks as it may choose to make to the concerned institution with an intimation of period within which the institution may submit its explanation to the concerned Ministry.

(3) On the receipt of the explanation or where no explanation is submitted within the specified period, the IPC may after making such further inquiry, if any, as it may think fit direct that the measures necessary to bring the teaching and research up to the required standard be taken or -an entry shall be made in the appropriate schedule against the concerned institution declaring that any qualification granted by such institution after the specified date shall not be recognized.

15. Maintenance of Register as a Public Document.- (1) The Council shall maintain in the prescribed manner a register in which the names should be entered with other particulars of the person possessing recognized Animal Science qualifications whose applications for registration as animal production scientists are from time to time granted by the Council.

(2) Every application for registration under this Act shall be made to the Council in the prescribed form and be accompanied by the prescribed fee.

(3) Every Animal Production Scientist registered under this Act shall be entitled to receive a certificate of registration from the Council for five year, ten year and/or lifetime basis (whatsoever decided by the EC).

(4) The register maintained under the section shall be deemed to be a public record within the meaning of the Qanoon-e-Shahadat, 1984 (P.O. No. 10 of 1984).

16. Penalty for Fraudulent Representation or Registration.- (1) Whoever willfully procures or attempts to procure himself to be registered under this Act by making or producing or causing to be made or produced any false or fraudulent representation or declaration either orally or in writing, and any person who assists him therein, shall be guilty of an offence punishable with fine which may extend to Rs one lac or with imprisonment for a term which may extend to six months or with both.

(2) Whoever falsely pretends to be registered under this Act as Animal Production or Animal Husbandry, Dairy /Poultry Expert practitioner, not being registered under this Act, uses with his name or title any words or letters representing that he is so registered, irrespective of whether any person is actually deceived by such pretence or representation or not shall be guilty of an offence punishable with fine which may extend to Rs one lac or with imprisonment for a term which may extend to six months, or with both.

17. Privileges and Responsibilities of Registered Members.- (1) Notwithstanding anything to the contrary contained in any other law for the time being in force no person other than a registered Animal Husbandry practitioner shall hold any Animal Scientist position in private or public sector.

(2) Every person registered under this Act shall notify any transfer of the place of his residence, employment or practice to the Council within thirty days of such transfer.

18. Prohibition of Unregistered Qualification.- No person shall use or publish with his name any title, abbreviate description or symbol, indicating or calculated to lead people to infer that possess any Animal Science qualifications (as detailed above) unless the same is recognized and conferred upon him under this Act.

19. Removal of Names from the Register.- (1) The Council in its discretion may refuse to permit the registration of any person or direct the removal altogether or for a specified period from the register the name of any registered person who has been convicted of any such offence as implies in the opinion of the Council a defer of character, or has been held by the Council as guilty of infamous conduct in any professional respect, or who has become incapable to perform Animal/Dairy/Poultry Husbandry practices by reason of physical or mental incapacity:

Provided that no action shall be taken under this sub section, unless such person has been provided an opportunity of being heard.

(2) The Council may direct that the name of any person removed from the register under sub-section (1) shall be restored or reconsidered on certain technical grounds.

(3) For the purpose of an inquiry under sub-section (1) the Council shall be deemed to be a Court within the meaning of the Qanoon-e-Shahdat, 1984 (PO No. 10 of 1984 and shall exercise al the powers of a Civil Court for summoning the witnesses, for compelling the production of documents and for issuing commissions.

20. Authority to Make Regulations.- (1) Following the directions of the concerned Ministry, the Council may constitute regulations generally to carry out the purposes of this Act and without prejudice to the generality of this power such regulations may provide for:

- (i) the management of the property of the Council and the maintenance and audit of its accounts;
- (ii) the summoning and holding of the meetings of the Council, the time and places where such meeting are to be held, the conduct of the business there at and the number of members necessary to constitute a quorum;
- (iii) the powers and duties of the Office Bearers;
- (iv) the mode of the appointment of the Executive Committee and other Committees, the summoning and holding of the meetings and the conduct of the business of such committees;
- (v) the tenure of the office and duties of the officers and officials of the Council;
- (vi) the appointment, TOR and procedures of Inspectors;
- (vii) the procedure of maintenance, compilation and publication of the register and, if necessary, for opening of sub-offices or branches for this purpose;
- (viii) the procedure of inquires under this Act;
- (ix) prescribing a uniform minimum standard courses of training for obtaining under- and post-graduate qualifications included in the First Schedule (I).prescribing minimum requirements for the content and duration of the courses of study as aforesaid;
- (x) prescribing the conditions for admission to courses of training as aforesaid;
- (xi) prescribing minimum qualifications and experience required of teachers, researchers for appointment in professional institutions;
- (xii) prescribing the standards of examinations, methods of conducting the examinations and other requirements to be satisfied for securing recognition of qualification under this Act;
- (xiii) prescribing the qualifications and experiences required of examiners for the examination antecedent to the granting of recognized qualifications;
- (xiv) registration of students at any professional institution, College, DAI or any University and the fee payable in respect of such registration; and
- (xv) any matter for which under this Act provision may be made by registration.

21 Submission of Records to Federal Government.- The Council shall furnish such reports, abstract of its accounts and other information to the concerned Ministry as it may require.

(2) The Ministry of IPC may publish in such manner as it may think fit any report, copy, abstract, or other information furnished to it under this Act.

22 Tribunal of Inquiry.- (1) Whenever it is made to appear to the Ministry of IPC that the Council is not complying with any of the provisions of this Act, the Federal Government may refer the particulars of the complaint to a Tribunal of inquiry (TI) consisting of three persons of whom appointed by the Ministry, one being a Judge of Court, the Council and any nominee of the degree awarding institutions given in schedule I Faculty of the Animal Husbandry of UAF (the mother institute). The TI shall proceed to inquire in manner report to the Ministry as to the charge of default or proper acting found by the Tribunal to have been established, the Tribunal shall recommend the remedies, if any, which are in opinion necessary, within a period of three months.

(2) The IPC Ministry may require the Council to adopt the remedies so recommended within so as, having regard to the report of Tribunal of Inquiry (TI), IPC may amend the Regulations of the Council, or make such provision or take such other steps as may seem necessary to give effect to the recommendations of Tribunal.

(3) A Tribunal of Inquiry (TI) shall have power to administer oaths, enforce the attendance of witnesses and the production of documents, and shall have all such other necessary powers for the purpose of any inquiry conducted by it as are exercised by a Civil Court under the Code of Civil Procedure 1908 (Act V of 1908).

SCHEDULE I
(See Section 9)
RECOGNIZED ANIMAL SCIENCE QUALIFICATIONS
by the
PAKISTAN ANIMAL SCIENCE COUNCIL (PASC), PAKISTAN

Sr No.	Institution	Recognized Degree	Degree Abbreviation
1.	Faculty of Animal Husbandry, University of Agriculture, Faisalabad (UAF)	Bachelor of Animal Husbandry	B.Sc.(Hons.) Animal Husbandry*
		Bachelor of Agriculture with AH Major	B.Sc.(Hons.) Agri (Major AH)
		Bachelor of Agriculture with AS Major	B.Sc.(Hons.) Agri Major AS
		Bachelor of Animal Sciences	B.Sc.(Hons.) Animal Science
		Bachelor of Animal Sciences	BS. Animal Science
		Bachelor of Dairy Science	B.Sc.(Hons.) Dairy Science
		Bachelor of Dairy Science	BS. Dairy Science
		Bachelor of Poultry Science	B.Sc.(Hons.) Poultry Science
		Bachelor of Poultry Science	BS Poultry Science
Bachelor of Fisheries/ Aquaculture	BS Fisheries		
		Master of Science, MPhil in Science and Doctor of Philosophy in Livestock Management, Animal Breeding and Genetics, Animal Nutrition and Poultry Sciences	MS M.Sc.(Hons.) MPhil PhD
2.	UAF Sub-Campus Toba Tek Singh	Bachelor of Poultry Science	B.Sc.(Hons.) Poultry Science
		Bachelor of Poultry Science	BS Poultry Science
3.	UAF Sub Campus Burewala-Vehari	Bachelor of Animal Sciences	B.Sc.(Hons.) Animal Science
		Bachelor of Poultry Sciences	BS Poultry Science
4.	University of Saraodha (UOS), Sargodha	Bachelor of Animal Sciences	B.Sc.(Hons.) Animal Science
		Bachelor of Animal Sciences	BS Animal Science
		Master of Animal Nutrition	M.Sc.(Hons.) AN
5.	Bahauddin Zakarya University (BZU) Multan	Bachelor of Poultry Sciences	B.Sc. (Hons.) Poultry Sciences
6.	Muhammad Nawaz Sharif University of Agriculture, Multan	Bachelor of Poultry Sciences	B.Sc.(Hons.) Poultry Sciences
7.	Cholistan University of Animal and Veterinary Sciences (CUVAS), Bahawalpur	Bachelor of Animal Science Bachelor of Poultry Science	B.Sc.(Hons.) Animal Science BS Poultry Science
8.	University of Animal and Veterinary Sciences (UVAS), Lahore	Bachelor of Science Master of Poultry Science	BS.(Hons.) Poultry Science M.Sc.(Hons.) Poultry Science
		Master of Philosophy in Animal Nutrition, Poultry Science, Livestock Management and Animal Breeding & Genetics	MPhil AN, PS, LM and ABG
		Doctor of Philosophy in Animal Nutrition, Livestock Management & Poultry Science	PhD in AN, LM and PS
9.	PMAS, Arid Agriculture University, Rawalpindi	Bachelor of Poultry Science	BS Poultry Science
		Bachelor of Animal Science	BS. Animal Science
		Master of Philosophy/Doctor of philosophy in Animal Nutrition, Poultry Science, Livestock Management and Animal Breeding & Genetics	MPhil/PhD in AN, PS, LM and ABG
10.	Riphah College of Vet Science, Riphah International University, Lahore	Bachelor of Poultry Sciences	BS (Hons.) Poultry Science
11.	The Agricultural University of Peshawar (AUP), Khyber Pakhtunkhwa	Bachelor of Animal Husbandry	B.Sc.(Hons.) Animal Husbandry
		Bachelor of Agriculture with AH Major	B.Sc.(Hons.) Agri (AH Major)
		Bachelor of Animal Science	B.Sc.(Hons.) AS
		Master of Science in Livestock Management	M.Sc.(Hons.) LM

		Master of Philosophy in Animal Nutrition Doctor of Philosophy in Livestock Management, Animal Breeding & Genetics and Poultry Husbandry	M.Sc (Hons.) AN PhD
12.	Gomal University DI Khan, Khyber Pakhtunkhwa	Bachelor of Animal Sciences	B.Sc.f(Hons.) Animal Science
		Bachelor of Poultry Science	B.Sc.(Hons.) Poultry Science
13.	University of Agriculture DI Khan	Bachelor of Animal Sciences	B.Sc.(Hons.) Animal Science
		Bachelor of Poultry Science	B.Sc.(Hons.) Poultry Science
14.	Sindh Agricultural University (SAU). Tandojam. Sindh	Master of Science, and Doctor of philosophy in Livestock Management, Animal Nutrition and Poultry Science	M.Sc.(Hons) LM, AN and PS PhD
15.	Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS). Uthal, Balochistan		
16.	University of Karachi, Karachi	Bachelor of Poultry Science	BS Poultry Science
17.	Any other DAis	All above mentioned Production degrees along with Fisheries/Aquaculture	These above degrees or their variants

*NB: For only those left over graduates for want of registration.

SCHEDULE II
(See Section 10)
RECOGNIZED ANIMAL SCIENCE DEGREES AND QUALIFICATIONS
OBTAINED OUTSIDE PAKISTAN

Sr No	Institutions	Recognized Degree	Institution For Registration
1.	State Universities of America, Australia and Provincial Universities of Canada	Master of Sciences in Animal Production	MS in Animal Production
		Master of Animal Sciences	MS in Animal Science
		Master of Dairy Science	MS in Dairy Science
		Master in Dairy Production	MS Dairy Production
		Doctor of Philosophy in Dairy Science	PhD Dairy Science
		Doctor of Philosophy in Animal Sciences.	PhD Animal Science
		Doctor of Science in Animal Physiology	PhD in Animal Physiology
2.	Huazhong Agricultural University, Huazhong, PR	Doctor of philosophy in Animal Genetics, Breeding and Reproduction Science	PhD
3.	Nanjing Agricultural University, Nanjing, PR China	Doctor of Philosophy in Animal Sciences	PhD (Animal Nutrition and Feed Science)
4.	McGill University. Montreal, Canada	Doctor of Philosophy in Animal Science	PhD Animal Science
5.	Sveriges Lantbruks U -liversiter (SLU). Swedish University of Agricultural Sciences, Umea, Sweden	Degree of Doctor of Philosophy in Agriculture	PhD Animal Sciences (Nutrition and Management of Dairy Cows)
6.	China Agricultural University, Beijing China	PhD Dairy Science	PhD (Dairy cone, ratio and forage particle size on Chinese Holstein)
7.	Georg August University, Goettingen, Germany	PhD Animal Science	PhD (quantitative traits using machine learning and bioinformatics)
8.	Daegu University Gyeongsan, Gyeongbuk, South Korea	PhD Agriculture (Animal Science)	PhD Animal Science
9.	University of Nebraska, Lincoln, NE. USA	PhD Animal Science	PhD (Host genetics and phenotypic association in Beef Cattle)

STATEMENT OF OBJECTS AND REASONS

The Bill aims to formulate an apex body to be called the Pakistan Animal Science Council (PASC) for the vital sectors of Animal Sciences degrees (in Livestock, Dairy and Poultry; to develop and flourish responsibly to provide healthy, wholesome and organic food and fiber for 220 million people of the country.

SENATOR RANA MAHMOOD UL HASSAN
SENATOR KAMRAN MURTAZA
MEMBERS IN CHARGE