ANNEXURE II

PROFORMA FOR CALCULATING RESEARCH SCORE

Name of candidate: _____

Name of Post : _____

(Calculation of score must be based on evidence produced by the candidate such as: Self-attested copies of publications, project sanction letter, utilization and completion certificates issued by the University and acknowledgment for patent filing and approval letters, students' PG/Ph.D. award letter, relevant certificates/documents issued by Head of Office / Competent Authority etc.)

Sr. No	Activity	Faculty of Veterinary Science / Dairy Technology / Fishery Science	Score assessed by applicant	Score assessed by Selection committee
1	**(i) Research papers in peer-reviewed or UGC/ICAR listed /NAAS rated journals Refereed Journals as notified by the UGC/Research Papers Published in Referred/NAAS rated Journals (Encl.)**	08 per paper		
	(ii)Other Reputed Journals as notified by the UGC/ICAR/NAAS **Research Papers Published in Non-referred* but recognized and reputed journals / periodicals (having ISBN / ISSN numbers) (Encl.)**	03 per paper		
2	**Publications (other than research papers)**			
	(a) Books authored which are published by :			
	International publishers Text/Reference, Books published by International Publishers established by peer review with ISBN/ISSN number etc. **(Encl.)**	12 per book for first author 06 per book for Co-author		
	National publishers Text/Reference, Books published by National Publishers established by peer review with ISBN/ISSN number etc. **(Encl.)**	10 per book for first author 05 per book for Co- author		
	Chapter in Edited Book i. Chapters in knowledge based volumes in International/National based publications with ISBN/ISSN number. **(Encl.)**	05 per chapter for first author 2.5 per chapter for Co- author		
	ii. Chapters in Books published by local and other publishers **(Encl.)**	03 per chapter for first author 1.5 per chapter for Co- author		
	Editor of book by International Publisher Subject Books published by International level publishers, with ISBN/ISSN number or State / Central Govt. publications/ Compendium **(Encl.)**	10 per book for first author 05 per book for Co- author		
	Editor of book by National Publisher Subject Books published by National level publishers, with ISBN/ISSN number or State / Central Govt. publications/ Compendium **(Encl.)**	08 per book for first author 04 per book for Co- author		

	Editor of book by other local Publisher Subject Books, published by Other local publishers **(Encl.)**	05 per book for first author 2.5 per book for Co- author		
	Subject based reading materials or exercise material for Courses / Proceedings / Monographs / Training Manuals/Practical Manual / Souvenirs/ Compendium prepared or published at University / College level/ by Scientific organisation. **(Encl.)**	03 marks for each author in each case		
	Technical/Popular articles **(Encl.)**	01 mark each		
	(b) Translation Works In Indian & Foreign Languages by qualified faculties			
	Chapter or Research paper **(Encl.)**	03 per chapter/research paper for first author 1.5 per chapter/research paper for co-author		
	Books **(Encl.)**	08 per book for first author 04 per book for co- author		
3	**Creation of ICT mediated teaching learning pedagogy & content & development of new and innovative courses and curricula**			
	(a) Development of innovative pedagogy i. Type of Teaching material developed Teaching**/**Research/Extension (PPT / Charts / Model / Specimen/ Videos / VCD / DVD/ Educational Video / Digital display system/Learning Mobile Applications/Design of lectures for smart screen / class room for teaching / Online classes / Development of Intranet / documentaries for students /Stake holders). **(Encl.)** ii. Web Based Learning and other Participatory Learning Skills to Students/Preparation of software /establishment of language laboratory **(Encl.)**	05 marks for each activity		
	(b) Design of new curricula and courses Development / updating of subject contents / courses / curricula / SOP's **(Encl.)**	02 per curricula/ course		
	(c) MOOCs			
	Development of complete MOOCs in 4 quadrants (4 credit course)(in case of MOOCs of lessor credits 05 marks/credit) **(Encl.)**	20		
	MOOCs (developed in 4 quadrant) per module/lecture **(Encl.)**	05		
	Content writer/subject matter expert for each module of MOOCs (at least one quadrant) **(Encl.)**	02		
	Course Coordinator and Coordinators and associates for MOOCs (4 credit course) (in case of MOOCs of lessor credits 02 marks/credit) **(Encl.)**	08 for Coordinator, 4 for Co-coordinators and associates		

	(D) E-content			
	Development of e-content in 4 quadrants for a complete course/e-book **(Encl.)**	12		
	e-content (developed in 4 quadrants) per module **(Encl.)**	05		
	Contribution to development of e-content module in complete course/paper/e-book (at least one quadrant) **(Encl.)**	02		
	Editor of e-content for complete course/paper/e-book **(Encl.)**	10		
	(E) Development/Organization of online training courses / Entrepreneurial Learning Unit programmes / Entrepreneurship Development Programme / Tutorials on national & international competitive examinations/ Co-ordinator and Co-coordinators for Online Competitive Examination / Co-ordinator and Co-coordinators for English Language Development and Improvement Resource/Co-ordinator and Co-coordinators for Personality Development, Human Values Resource using ICT based tools. **(Encl.)**	05 for each activity		
4	**(a) Research guidance**			
	Ph.D. Degree Awarded **(Encl.)**	10 per degree awarded as Major Advisor 05 per degree awarded as member Advisory Committee		
	Ph.D. thesis submitted **(Encl.)**	05 per thesis submitted as Major Advisor 2.5 per thesis submitted as member Advisory Committee		
	M.V.Sc., M.Sc., M.Tech., M.F.Sc. Degree Awarded **(Encl.)**	02 per degree awarded as Major Advisor 01 per degree awarded as memberAdvisory Committee		
	M.V.Sc., M.Sc., M.Tech., M.F.Sc. thesis submitted **(Encl.)**	01 per thesis submitted as Major Advisor 0.5 per thesis submitted as memberAdvisory Committee		
	(b) Research /Infrastructure /Extension Projects Completed (Central & State funded/Aided Agencies / MAFSU Research Grants)			
	Less than 10 lakhs **(Encl.)**	05 per project for PI 2.5 per Project for Co-PI		

	More than 10 lakhs upto Rs. 19.99 lakhs **(Encl.)**	10 per project for PI, 05 per Project for Co-PI		
	More than 20 lakhs upto Rs. 49.99 lakhs **(Encl.)**	15 per project for PI, 7.5 per Project for Co-PI		
	More than 50 lakhs **(Encl.)**	20 per project for PI, 10 per Project for Co-PI		
	(c) Research /Infrastructure /Extension projects ongoing (Central & State funded /Aided Agencies / MAFSU Research Grants)			
	More than 10 lakhs **(Encl.)**	05 per project for PI 2.5 per Project for Co-PI		
	Less than 10 lakhs **(Encl.)**	02 per project for PI 01 per Project for Co-PI		
	(d) Consultancy /Private agency projects / Intramural (Encl.)	03 per project for PI 1.5 per Project for Co-PI		
5	**(a) Patents**			
	International **(Encl.)**	10 for PI/first Inventor 05 for Co-PI / subsequent inventors		
	National **(Encl.)**	07 for PI/first Inventor 3.5 for Co-PI / subsequent inventors		
	b) * Policy Document (Submitted to an international body / organisation like UNO / UNESCO / World Bank / International monetary fund etc. or Central Government or State Government) MoU, MoA, Action Plan, Comprehensive Report, Annual Report, Perspective Plan, Development Plan, Proposals for establishment of new colleges/institutions/ laboratories/ KVK as per Central /State Government plans; Submission / Compilation of ICAR Deans Committee Reports, Peer Review Report, Accreditations Report, UGC recognition proposals, SOP's, etc.			
	International **(Encl.)**	10 for all committee members		
	National **(Encl.)**	07 for all committee members		
	State **(Encl.)**	04 for all committee members		
	University **(Encl.)**	03 for all committee members		

	c) Awards/Fellowship/Recognition			
	International Award / Fellowship from Academic bodies/Medal/Recognition by international bodies **(Encl.)**	07		
	National Award/ Fellowship from Academic bodies/Medal/Recognition by national bodies **(Encl.)**	05		
	State / University level Award from Academic bodies/ Professional Societies Best poster/ Oral Presentation award at National Seminar/ Symposium/ Conference/ Young Scientist Award/ State/ University Award/ Medal. **(Encl.)**	03		
	(d) Research outcome / output Technology transfer / Product / Process/ Research Recommendations, Technology / Machinery / Equipment developed or popularized, Prototype developed / commercialized, Protocol developed, Policy implementation, Price forecasting, Innovative technology developed, Software Development, New Diseases/ organisms Use of Bio-pesticide, Animal Germ plasm collection/conservation, Product Preparation; Bakery/Dairy/Poultry/Fishery, meat etc., Products/Chemical sample analysis, Clinical sample analysis/ Post mortem examination/ major surgical operation: Large Animals/Small Animals / Gynaecological / Andrological / Medicinal / Clinical Cases / Cross Bred produced/Soil and water analysis/Molecular characterization of food borne Micro organisms and Gene sequences published/ any other samples / Reproductive disorder management/ Artificial breeding/ deworming/ Vaccination / Sonography / Radiography / Feed analysis / Feed formulation / research trials conducted at farms etc. **(Encl.)**	05 for each item		
	(e) Special assignment Centre of excellence, new centre of state/national importance created, Establishment of Institutional facilities (Testing laboratories/ Virtual laboratory / Molecular Laboratory/ Establishment of referral laboratory / Establishment of scintillography/ Endoscopy / Radiation work/ Bio control laboratory/ Bio-Pesticides laboratory, Bio- fertilizer production laboratory/Food/Feed Testing Laboratory/ Incubation centres/ packing material testing / Weather Station/ Tissue culture laboratory/ Modernization of laboratories / Farm Semen Station, Educational Museum/ Departmental Laboratory/ Animal cafeteria, National level research committee member. **(Encl.)**	05 for each item		

6.	* Invited lectures / resource person / paper / abstract presentation in seminars/conference/ full paper in conference proceedings (paper presented in seminars / conferences / workshops / symposium / research bulletins / trainings and also published as full paper in conference proceedings will be counted only once)			
	International (Abroad) **(Encl.)**	07		
	International (within country) **(Encl.)**	05		
	National **(Encl.)**	03		
	State/University **(Encl.)**	02		
7.	**Extension Related activities**			
	1. Training organized (minimum 3 days) **(Encl.)**	4 for Co-ordinator and 2 for Co-coordinator		
	Training organized (Less than 3 days) **(Encl.)**	2 for Co-ordinator and 1 for Co-coordinator		
	2. Organization of Extension Workshop /seminar/Webinar /farmers scientist meet/ kisan goshtis/awareness campaign **(Encl.)**	3 for Co-ordinator /organizing secretary and 2 for Co-coordinator / Co-organizing secretary		
	3. Animal /Dairy/Fishery camps organized/ Participated **(Encl.)**	2 for Co-ordinator and participant as an expert		
	4. Livestock/fish /dairy/animal /birds / exhibition /shows organized / participated **(Encl.)**	2 for Co-ordinator and participant as an expert		
	5. Demonstrations organized **(Encl.)**	1 for Co-ordinator and participant as an expert		
	6. Work in adopted villages **(Encl.)**	1 for Co-ordinator and participant as an expert per week		
	7. Work for SC/ST/ Underprivileged /Marginal communities **(Encl.)**	1 for Co-ordinator and participant as an expert		
	8. Guidance for success stories **(Encl.)**	1 Mark each for one story for guides		
	9. Organization/Implementations of Innovative extension programs **(Encl.)**	2 Marks for each activity		
	10. Television talks and Radio talks delivered **(Encl.)**	2 Marks for TV Talk and 1 for Radio talk		
	11. Advisories for various stakeholders / Field-Farm visits **(Encl.)**	0.5 Mark for each activity		
	12. Revenue generation through extension trainings/consultancy/services/ sale of products **(Encl.)**	1 mark for every Rs. five thousand		

	13. Development of Mobile Applications / Development of specific Soft wares / websites / applications on web **(Encl.)**	5 mark for each application		
	14.E-Content on Institutional (MAFSU and Constituent Colleges and Institutes) You Tube and other social media like FB live / twitter etc. **(Encl.)**	03 mark for each case		
	15. Development of video Documentaries **(Encl.)**	(less than 3 minutes 1 mark, more than 3 minutes 2 marks for each case)		
8.	**Administrative responsibilities such as Dean/ Director/ Associate Dean/Head/ Co-ordinator/ Dy. Director / Research Officer/PS/CoE/ Dy. Registrar /Nodal Officer/Chairman Gymkhana/ Research Co-ordinator/DSW/ Warden /ADSW/ I/c Academic Cell/ I/c Exam Cell/ Technical Officer/Assistant Registrar/DDO/PAO/ Warden etc. (Encl.)**	10 mark for completed 6 months and 5 marks additional each for every 6 months		

The research score for research papers would be augmented as follows :
Peer-Reviewed or UGC listed / NAAS rated journals (Marks shall be given as per NAAS rating as follows):

   i. Paper in refereed journals without NAAS rating   -   05 points
   ii. Paper with NAAS rating less than 1   10 points
   iii. Paper with NAAS rating between 1 & less than 2   -   15 points
   iv. Paper with NAAS rating between 2 & less than 5   20 points
   v. Paper with NAAS rating between 5 & less than 10 -   25 points
   vi. Paper with NAAS rating more than 10   -   30 points

(a) Two authors: 70% of total value of publications for each author.
(b) More than two authors: 70% of total value of publications for First/Principal/ Corresponding author and 30% of total value of publication for each of the joint authors.

Note :

- Paper presented if part of edited book or proceeding then it can be claimed only once.
- * For the purpose of calculating research score of the teacher, the combined research score from the categories of 5(b) Policy document and 6 Invited lecture/resource Person/Paper shall have paper capping of thirty percent of the total research score of the teacher concerned.
- The research score shall be from the minimum of three categories out of eight categories.

   Place : _____

   Date : _____   **Signature & Name of Candidate**