

## MINUTES OF THE MEETING

Minutes of the meeting of 10<sup>th</sup> Board of Studies (BOS) of the Department of Zoology held on 17<sup>th</sup> May 2024, Friday at 12.00 pm in the Department of Zoology.

### **Members Present:**

1. Dr. Ashok Kumar Yadav (Chairperson and Head)
2. Prof. N. K. Tripathi (External Expert)
3. Prof. R.K. Salgotra (External Expert)
4. Dr. Dhanananajay Kumar (Associate Professor, Member)
5. Dr. Vinita Sharma (Assistant Professor, Member)
6. Prof. Suram Singh (Dean Academic Affairs, Special Invitee)
7. Dr. Uday Pratap Singh (Associate Dean Academic Affairs, Special Invitee)

The Chairperson welcomed the members to the 10<sup>th</sup> meeting of the Board of Studies of Department of Zoology. The following items of the agenda were presented before the Board of Studies for consideration and decisions of the BOS are presented below:


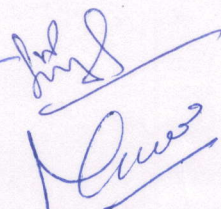
### **ITEM NO. 1.**

**To approve the revised syllabus of semesters VII, VIII, IX and X of Five-Year Integrated B.Sc. (Hons.)-M.Sc. Zoology Programme as CBCS guidelines/LOCF.**

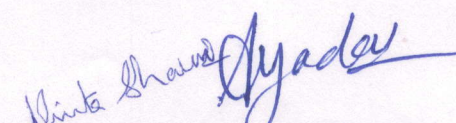
Course code	Course title	Credit	CIA	MSE	ESE	Max Marks
	<b>Core course</b>					
	Cytogenetics and Molecular Cell Biology	4	20	30	50	100
	Cytogenetics and Molecular Cell Biology Lab	2	25		25	50
ICZOL7C008T	Ethology	4	20	30	50	100
ICZOL7C008L	Ethology Lab	2	25		25	50
ICZOL7C009T	Non-Chordate Biology	4	20	30	50	100
ICZOL7C009L	Non-Chordate Biology Lab	2	25		25	50
	<b>Elective course</b>					
	Tools and Techniques	4	20	30	50	100
<b>Total</b>		<b>22</b>				<b>550</b>

### **Semester-VIII**

Course code	Course title	Credit	CIA	MSE	ESE	Max Marks
	<b>Core course</b>					
ICZOL8C006T	Biochemistry	4	20	30	50	100
ICZOL8C006L	Biochemistry Lab	2	25		25	50
	Human Physiology	4	20	30	50	100
	Human Physiology Lab	2	25		25	50

  
  
(R.K. Salgotra)

  
(Dr. VINITA SHARMA)



ICZOL8C009T	Chordate Biology	4	20	30	50	100
ICZOL8C009L	Chordate Biology Lab	2		25	25	50
	<b>Elective course</b>					
	Biostatistics and Bioinformatics	4	20	30	50	100
<b>Total</b>		<b>22</b>				<b>550</b>

#### Semester-IX

Course code	Course title	Credit	CIA	MSE	ESE	Max Marks
	<b>Core course</b>					
	Animal Taxonomy	4	20	30	50	100
	Animal Taxonomy Lab	2		25	25	50
	Endocrinology	4	20	30	50	100
	Endocrinology Lab	2		25	25	50
	Entomology	4	20	30	50	100
	Entomology Lab	2		25	25	50
	<b>Elective course</b>					
	Evolutionary Biology	2	10	15	25	50
<b>Total</b>		<b>20</b>				<b>500</b>

#### Semester-X

Course code	Course title	Credit	CIA	MSE	ESE	Max Marks
	<b>Core course</b>					
	Dissertation	14	-	-	350	350
	<b>Elective course</b>					
	Microbiome	4	20	30	50	100
	Research Methodology and Scientific Writing	2	10	15	25	50
<b>Total</b>		<b>20</b>				<b>500</b>

#### Decision of the BOS:

The revised syllabus of semesters VII, VIII, IX and X of Five-Year Integrated B.Sc. (Hons.)- M.Sc. Zoology Programme was taken up for discussion. After a detailed discussion, the syllabus was approved by the BOS. (**Annexure I**).

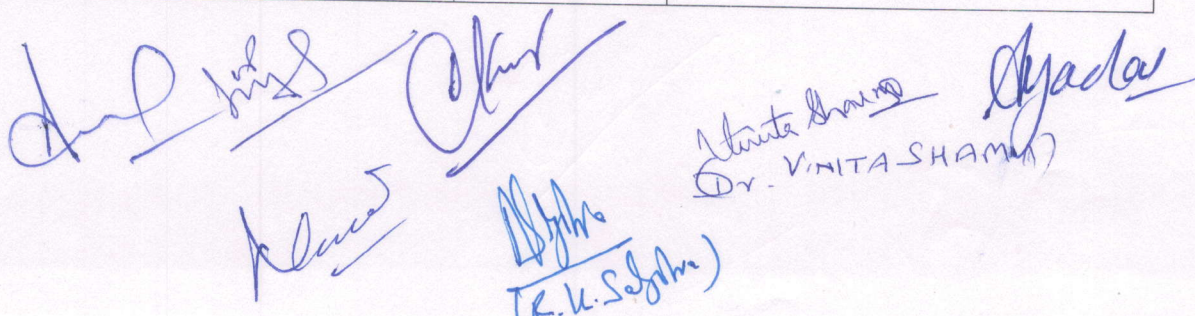
#### ITEM NO.2

To confirm the minutes of RAC (Research Advisory Committee) held in the Department of Zoology in 2023.

#### Decision of the BOS:

The minutes of meeting of the RAC of the Department of Zoology was placed before the BOS. The BOS considered and approved the minutes of the RAC, (**Annexure II**). The following Ph.D. candidates registered in the Department of Zoology presented their research work (from June 2023 to December 2023).

S.No.	Name of the Ph.D. Scholar	Enrollment No.	Name of the Supervisor	Title of Research
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 Dr. Vinita Sharma



1.	Ms. Anchal Chib	0151819	Dr. Shvetambri Jasrotia	Morphometric and molecular characterization of some fishes of River Chenab (J&K).
2.	Mr. Tundup Gyalpo	0251819	Dr. Vinita Sharma	Mammalian diversity and prey-predator relationship of large carnivores of Zaskar Valley, UT Ladakh.
3.	Ms. Shaveta Padha	0351819	Dr. Anjali Dhar	Impact of microplastics on the aquatic entomofauna of the Jammu Region.
4.	Mr. Yogesh Sharma	0151820	Dr. Anjali Dhar	Bio-efficacy of phytochemicals against selected insect pests.
5.	Ms. Nitika Mehra	0251820	Dr. Vinita Sharma	Feeding ecology of large mammalian carnivores of district Kangra, Himachal Pradesh.
6.	Mr. Ashutosh Verma	22PZOO02	Dr. Vinita Sharma	Avian complex and ecosystem health of selected important bird area of India: Gharana Wetland Conservation Reserve.
7.	Mr. Rohit	22PZOO03	Dr. Anjali Dhar	Insect pollinators of apple and apricot from District Doda (J&K, UT).

### **ITEM NO.3**

To approve the course matrix scheme for PhD students enrolled in the department of Zoology w.e.f. 2023-24, (**Annexure III**).

### **Decision of the BOS:**

The course matrix of scheme for PhD students enrolled in the department of Zoology w.e.f. 2023-24 was taken up for discussion and approved same.

### **ITEM NO.4**

To approve the proposed syllabus of Ph.D. course work specialization papers offered by the Department of Zoology.

### **Decision of the BOS:**

The proposed syllabus of course work specialization papers of Ph.D. in Zoology was taken up for discussion. After a detailed discussion, the syllabus was approved by the BOS, (**Annexure IV**).

Prof. Suram Singh

Dr. Uday Pratap Singh

Prof. N. K. Tripathi

Prof. R.K. Salgotra

Dr. Dhananajay Kumar

Dr. Vinita Sharma

Dr. Ashok Kumar Yadav



### Annexure III

**Course Scheme of Ph. D. (Department of Zoology) w.e.f. academic session 2023-24 as given below.**

Course code	Course title	Credit	ESE	Max Marks
	<b>Compulsory/Core Courses</b>			
	Research and Publication Ethics (RPE)	2	50	50
	Research Methodology	4	100	100
	<b>Open Elective Courses*</b>			
<b>List of optional/open elective courses offered by Department of Zoology</b>				
Course code	Course title	Credit	ESE	Max Marks
	<b>Open Elective I</b>	2	50	50
	<b>Open Elective II</b>	4	100	100
	<b>Total</b>	<b>12</b>		<b>300</b>
<b>Open Elective Courses*</b>				
	Animal Cell Culture	2	50	50
	Techniques in Neuroscience	2	50	50
	Fish Physiology	2	50	50
	Advances in Probiotics and Host Microbiome	4	100	100
	Animal Systematics, Behaviours and Wildlife Conservation Biology	4	100	100
	Chronobiology	4	100	100
	Entomology and Insect Sciences	4	100	100
	Limnology and Fisheries	4	100	100
	Principles of Neurobiology	4	100	100

\*Open Elective Courses may be opted through MOOC/SWYAM platform or from the basket of the open elective courses offered by the department.

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Vinit Sharma  
(Dr. VINITA SHARMA)  
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(R.K. Salgotra)