

# UNIVERSITY OF GOURBANGA

**Mokdumpur, Malda, West Bengal**



## Guideline of both Theoretical and Practical Questions (Hons.+Gen ) in CBCS curriculum

### Subject: Zoology

Theoretical Papers without group (=25 marks)

Duration of Examination: 1 hr

Number of questions	Question:1 (Very short questions) Marks of each Question:1/2	Question:2 (Short questions) Marks of each Question:2 1/2	Question:3 (Descriptive questions) Marks of each Question: 4	Total
Number of questions in question paper (i)	12	04	07	23
Number of questions to be attempted (ii)	08	02	04	14
Total Marks	04	05	16	25

Theoretical Paper with groups [A and B(+C)] (=25 marks) Duration of Examination: 1 hr

Number of questions	Question:1 (Very short questions) Marks of each Question:1/2		Question:2 (Short questions) Marks of each Question:2 1/2		Question:3 (Descriptive questions) Marks of each Question: 4		Total
	A	B (+C)	A	B (+C)	A	B(+C)	
Number of questions in question paper (i)	06	06	02	02	04	04	24
Number of questions to be attempted (ii)	04	04	01	01	02	02	14
Total Marks	02	02	2 1/2	2 1/2	08	08	25

Theoretical Paper without group (=40 marks) Duration of Examination: 2 hrs.

Number of questions	Question:1 (Very short questions) Marks of each Question:1/2	Question:2 (Short questions) Marks of each Question: 2 1/2	Question:3 (Descriptive questions) Marks of each Question: 4	Total
Number of questions in question paper (i)	18	07	10	35
Number of questions to be attempted (ii)	12	04	06	22
Total Marks	06	10	24	40

**Scheme of Practical Question pattern of Zoology (Hons.+Gen) in CBCS Pattern**  
**under University of Gour Banga**  
**Full Marks of Practical Examination =15 marks**

Number of questions	Question:1 Marks of each Question: 05	Question:2 (Practical note book)	Question:3 (Viva-Voce)	Total
Number of questions in question paper (A)	4	--	--	4
Number of questions to be attempted (B)	2	--	--	02
Total Marks	10	02	03	15

**Scheme of Practical Examination ( Hons )**

Number of practical papers	Semester	Name of the paper	Paper Code	Full Marks	Compiled Paper marks	Time
1.	SEM-I	Non-Chordate-I	ZOOL-H-DC1-P	15	30	4 hrs.
2.	SEM-I	Non-Chordate-II	ZOOL-H-DC2-P	15		
3.	SEM-II	Diversity of Chordates	ZOOL-H-DC3-P	15	30	4 hrs.
4.	SEM-II	Comparative Anatomy of Vertebrates	ZOOL-H-DC4-P	15		
5.	SEM-III	Cell Biology and Principles of Genetics	ZOOL-H-DC5-P	15	45	4 hrs.
6.	SEM-III	Ecology and Conservation Biology	ZOOL-H-DC6-P	15		
7.	SEM-III	Developmental Biology and Reproductive Biology	ZOOL-H-DC7-P	15		
8.	SEM-IV	Biochemistry	ZOOL-H-DC8-P	15	45	4 hrs.
9.	SEM-IV	Animal Physiology: Life sustaining System	ZOOL-H-DC9-P	15		
10.	SEM-IV	Systematics and Evolution	ZOOL-H-DC10-P	15		
11.	SEM-V	Histology and Endocrinology	ZOOL-H-DC11-P	15	30	4hrs.
12.	SEM-V	Economic Zoology and Industrial Zoology	ZOOL-H-DC12-P	15		
13.	SEM-V	Animal Biotechnology (or) Microbiology	ZOOL-H-DSE1-P-A/B	15	30	4hrs.
14.	SEM-V	Biostatistics (or) Bioinformatics	ZOOL-H-DSE2- A/B-P	15		
15.	SEM-VI	Parasitology and Immunology	ZOOL-H-DC13-P	15	30	4hrs.
16.	SEM-VI	Molecular Biology	ZOOL-H-DC14-P	15		
17.	SEM-VI	Animal Behaviour and Chronobiology (or) Toxicology, Environmental Biology and Public Health	ZOOL-H- DSE3-A/B-P	15	30	4hrs.
18.	SEM-VI	Biology of Insects	ZOOL-H-DSE4-P	15		

**Guideline for Project Paper Evaluation**  
**Paper Code: ZOOL-H-DSE-4-DP ( Full marks: 50)**

**Allotment of the topics to the students:** Topic of the project paper for the student will be decided following the notification for taking opinion/choice from the student by the Head of the Department of Zoology of the concerned college in knowledge of the Principal. However finalization of the topics will be done by the Department Committee meeting.

Out line	Marks	Remark
Submission of the project copy in binding form (in three copies)	25	<b>Marks allotment:</b> (a) Scientific content: 15 marks (b) Layout of submission: 5 marks (c) Relevance and significance: 5 marks
power point presentation	12	Maximum number of slides: 15, Time: 10+2 minutes; <b>Marks allotment:</b> (a) Scientific aptitude and content: 05,(b) Clarity of presentation:05 (c) Designing of slides:02
Viva-voce	08	<b>Related to the project topics</b>
Paper presentation in seminar and/or publication in Journal (Maximum 2 in number)	05	2.5 marks for each seminar (or) publication
<b>Total</b>	<b>50</b>	

Three hard copies of the project in binding form to be submitted during the time of final examination, Out of that one of the copy will be returned back to the examinee after evaluation and the remaining two to be kept by the Department. If required one copy to be submitted to the Controller of Examinations, UGB

**Scheme of Practical Examination**  
**(General)**

Number of practical papers	Semester	Name of the paper	Paper Code	Full Marks	Time
1	SEM-1	Animal Diversity and Ecology	(A1) -ZOOL-G- DC1-P	15	2hrs.
2	SEM-II	Comparative Anatomy and Developmental Biology of Vertebrates	(A2) - ZOOL-G- DC4-P	15	2hrs.
3	SEM-III	Physiology and Biochemistry	(A3) - ZOOL-G-DC7-P	15	2 hrs.
4	SEM-IV	Genetics and Evolutionary Biology	(A4) -ZOOL -G-DC 10 -P	15	2 hrs.
5	SEM-V	Cell Biology and Animal biotechnology (or) Immunology (or) Reproductive biology	(A1)-ZOOL-G-DSE1-P-A/B/C	15	2hrs.
6	SEM-VI	Aquatic biology (or) Applied Zoology (or) Insects Vectors and Diseases	(A2)-ZOOL-G- DSE-4A/B/C -P	15	2hrs.

**Scheme of Internal Assessment (IA): 10 marks (for each theoretical paper)**

Class test: 06 marks			Attendance: 04 Marks	Total
No. of questions in question paper	Questions to be answered	Time	Gravity will be given in consideration of the attendance of the students in the class	10
10	06	15 minutes		