

Anjuman-e-Islam's
**Nehru Arts, Science and Commerce Degree College
Hubballi.**

Department of Zoology

Criteria-I

(2020-2021)

Documents

1. Department Meeting Register

2. Time table

3. Calender of Event

4. Unitisation

5. Seminar

6. Test Marks list

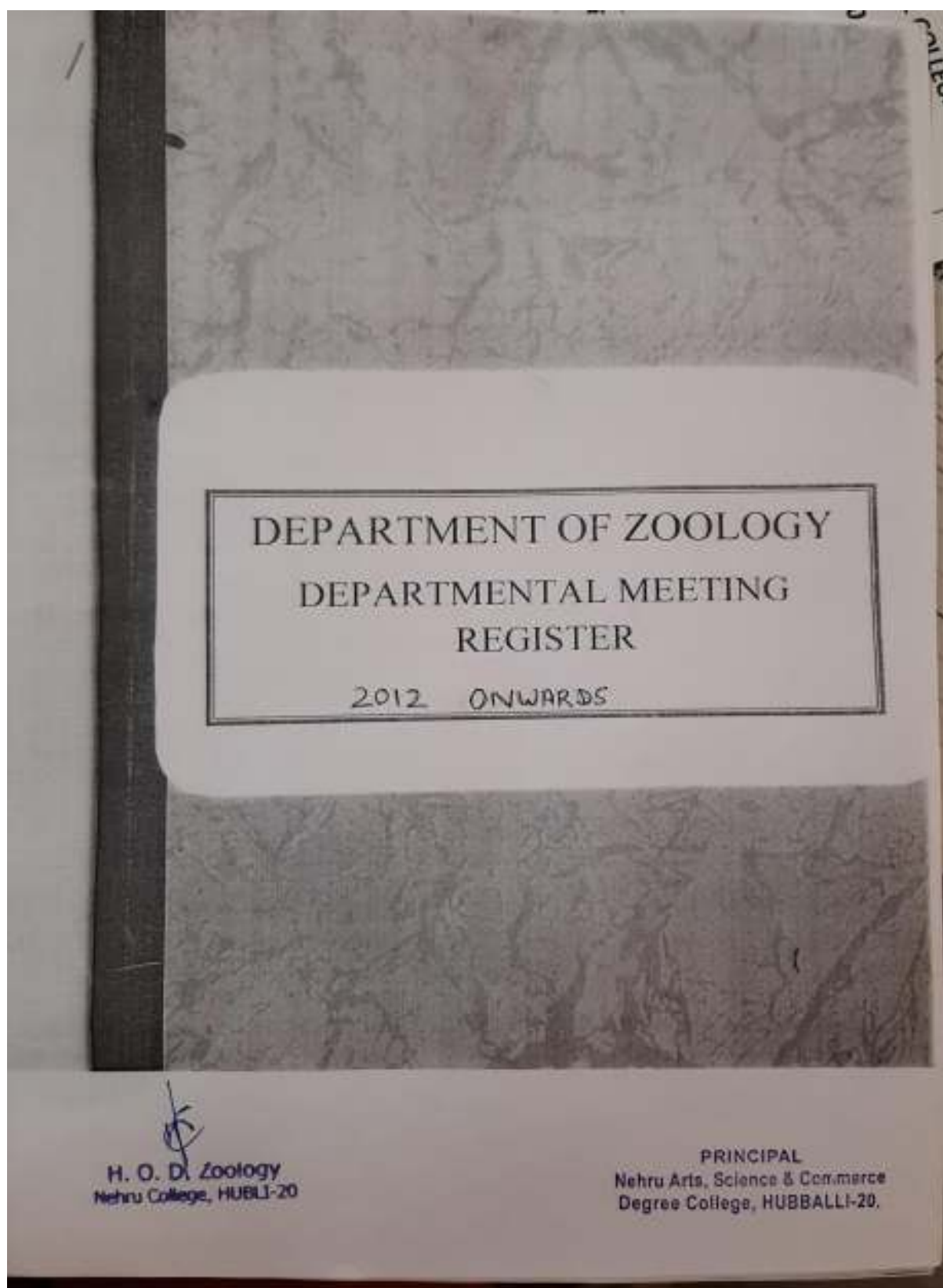
7. Remedial Class

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Department Meeting Register 2020-2021



Mon 7th June 2021

A meeting is convened on Tuesday
8th June 2021 at 11:30 am in the
department of Zoology to discuss the
following matter.

Agenda

- 1) Syllabus completed & remaining.
- 2) Online classes.
- 3) Assignments to be given.
- 4) NAAC related work.
- 5) Regarding vaccination.
- 6) Any other matter.

1. R.K. Dafedar
2. Shabeena Chittha

[Signature]
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- Following points were discussed
in the meeting:-
- 1) Completion of the remaining syllabus through online classes.
 - 2) Topics related to assignment was discussed.
 - 3) NAAC related work of both Criteria VI & department was discussed.
 - 4) Vaccination of the students ^{to be informed} was discussed.
 - 5) To organise P.M. meeting with other concerned departments.

Time table

Anjuman-e-Islam's
NEHRU ARTS, SCIENCE AND COMMERCE COLLEGE HUBLI
DEPARTMENT OF ZOOLOGY
TIME TABLE FOR THE YEAR 2020-21

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
REMEDIAL CLASS						
8.00 to 9.00 am	III SEM	III/IV SEM	V/VI SEM -	V/VI SEM -	-	III SEM
9.00 to 10.00 am	-	III SEM -	III/IV SEM	III/IV SEM	V/VI SEM -	III/IV SEM
10.00 to 11.00 am	V/VI SEM	V/VI SEM -	III SEM	V/VI SEM -	III SEM	V/VI SEM -
11.15 am to 12.15 pm	III/IV SEM	-	-	III SEM	III/IV SEM	-
12.15 to 1.15 pm	V/VI SEM -	-	V/VI SEM -	-	-	-
1.15 to 2.15 pm	-	V/VI SEM -	-	-	-	-
DEGREE PRACTICALS						
2.30 to 6.30 pm	III SEM B-1/B-2	V/VI SEM P-I	III/IV SEM B-1/B-2	III SEM B-3/B-4	III/IV SEM B-3	V/VI SEM P-II

Degree: III sem — 05 hrs 16 hrs
 III/IV sem — 05 hrs 12 hrs
 V/VI sem — 08 hrs 08 hrs
 Total — 18 hrs 36 hrs = 54 hrs
 Prof. R.K. Dafedar — 20 hrs
 Shabena Chitambar — 20 hrs
 Mr. X — 14 hrs



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Anjuman-e-Islam's
NEHRU ARTS, SCIENCE AND COMMERCE COLLEGE HUBLI
DEPARTMENT OF ZOOLOGY
TIME TABLE FOR THE YEAR 2020-21
Individual Time Table- Prof.R.K.Dafedar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
REMEDIAL CLASS						
8.00 to 9.00 am	III SEM	-	V/VI SEM -	-	-	-
9.00 to 10.00 am	-	-	-	-	-	-
10.00 to 11.00 am	-	V/VI SEM -	III SEM	-	-	III/IV SEM
11.15 am to 12.15 pm	-	-	-	III SEM	III/IV SEM	V/VI SEM -
12.15 to 1.15 pm	V/VI SEM -	-	-	-	-	-
1.15 to 2.15 pm	-	V/VI SEM -	-	-	-	-
DEGREE PRACTICALS						
2.30 to 6.30 pm	-	V/VI SEM P-I	III/IV SEM	-	-	V/VI SEM P-II

STAFF


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Anjuman-e-Islam's
NEHRU ARTS, SCIENCE AND COMMERCE COLLEGE HUBLI.
DEPARTMENT OF ZOOLOGY
TIME TABLE FOR THE YEAR 2020-21
 Individual Time Table- Mr.X

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
REMEDIAL CLASS						
8.00 to 9.00 am	--	--	--	--	--	--
9.00 to 10.00 am	--	--	III/IV SEM	III/IV SEM	--	I/II SEM
10.00 to 11.00 am	V/VI SEM	--	--	V/VI SEM	I/II SEM	--
11.15 am to 12.15 pm	--	--	--	--	--	--
12.15 to 1.15 pm	--	--	--	--	--	--
1.15 to 2.15 pm	--	--	--	--	--	--
DEGREE PRACTICALS						
2.30 to 6.30 pm	I/II SEM	--	--	III SEM	--	--

STAFF


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Calender of Event

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Anjuman-e-Islam's
 NEHRU ARTS, SCIENCE COMM, DEGREE COLLEGE & P.G. CENTRE GHANTIKERL
 HUBLI-580 020
 CALENDAR OF EVENTS ACADEMIC YEAR 2020-21

ODD SEM DEPT. OF ZOOLOGY Duration 03-09-2020 to 01-03-2021

Week	Month	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Holidays	Activities
1	SEPTEMBER 2020			1	2	3	4	5		1 st College Re-opening
2		6	7	8	9	10	11	12		
3		13	14	15	16	17	18	19		
4		20	21	22	23	24	25	26		
5		27	28	29	30					
1	OCTOBER 2020					1	2	3	26 th Durgashtami 28 th M.L.C Elections	2 nd Gandhi jayanti
2		4	5	6	7	8	9	10		
3		11	12	13	14	15	16	17		
4		18	19	20	21	22	23	24		
5		25	26	27	28	29	30	31		
1	NOVEMBER 2020	1	2	3	4	5	6	7	4-11 Govt. declared holiday Covid waves 11 th -16 th Diwali	17 th Covid test 20 th L.C visit
2		8	9	10	11	12	13	14		
3		15	16	17	18	19	20	21		
4		22	23	24	25	26	27	28		
5		29	30							
1	DECEMBER 2020			1	2	3	4	5	7 th Karnataka jayanti Karnatak bandh 25 th Christmas	7 th Workshop on N.L.P. 1 st unit test December last week
2		6	7	8	9	10	11	12		
3		13	14	15	16	17	18	19		
4		20	21	22	23	24	25	26		
5		27	28	29	30	31				
1	JANUARY 2021						1	2	14 th Makani Sankranti	4 th Dept meeting 2 nd unit test on 3 rd week 26 th Republic day
2		3	4	5	6	7	8	9		
3		10	11	12	13	14	15	16		
4		17	18	19	20	21	22	23		
5		24	25	26	27	28	29	30		
6		31								

Week	Month	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Holidays	Activities
1	FEBRUARY 2021		1	2	3	4	5	6		
2		7	8	9	10	11	12	13		
3		14	15	16	17	18	19	20		
4		21	22	23	24	25	26	27		
5		28								
1	MARCH 2021		1	2	3	4	5	6		1-Last working day
2		7	8	9	10	11	12	13		
3		14	15	16	17	18	19	20		
4		21	22	23	24	25	26	27		
5		28	29	30	31					

HEAD OF DEPARTMENT

H. O. D. Zoology
Nehru College, HUBLI-20

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Anjuman-e-Islam's
NEHRU ARTS, SCIENCE COMM, DEGREE COLLEGE & P.G. CENTRE GHANTIKERI,
HUBLI-580 020


CALENDAR OF EVENTS ACADEMIC YEAR 2020-21

EVEN SEM

DEPT. OF ZOOLOGY

Duration 17-05-2021 to 7-08-2021

Week	Month	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Holidays	Activities
4	May 2021		17	18	19	20	21	22		17 th College Re-opening
5		23	24	25	26	27	28	29		
6		30	31							
1	June 2021			1	2	3	4	5		5 th National webinar. 7 th dept meeting 8 th National level Webinar. 9 th PTA meeting 28 th Vaccinations drive
2		6	7	8	9	10	11	12		
3		13	14	15	16	17	18	19		
4		20	21	22	23	24	25	26		
5		27	28	29	30					
1	July 2021					1	2	3		27 th to 30 th Unit test (offline) 27 th - Bakrid
2		4	5	6	7	8	9	10		
3		11	12	13	14	15	16	17		
4		18	19	20	21	22	23	24		
5		25	26	27	28	29	30	31		
1	August 2021	1	2	3	4	5	6	7		1 st week of August Practical Examination conducted 7 th last working day
2		8	9	10	11	12	13	14		
3		15	16	17	18	19	20	21		
4		22	23	24	25	26	27	28		
5		29	30	31						


 Head of Department
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Unitisation

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Nehru Arts, Science and Commerce College, Hubli.

Department of Zoology.

Unitization Of Odd Sem 2020-2021.

Month	Staff	I Sem	Hrs	III Sem	Hrs	V Sem P-I	Hrs	V Sem P-II	Hrs	Total
September	RKD	I	2	II	2	I	3	I	2	9
	SC	II	3	I	5	III	2	VI	3	13
	X	II	3	III	2	IX	3	XII	3	11
		Total	8	Total	9	Total	8	Total	8	33
October	RKD	X	2	II	3	I	2	II	4	11
	SC	III	2	I	6	III	2	VII	3	13
	X	III	3	III	2	X	3	XIII	2	10
		Total	7	Total	11	Total	7	Total	9	34
November	RKD	X	4	II	3	II	3	III	4	14
	SC	IV	2	I	6	IV	4	IX	3	15
	X	IV	3	III	3	XI	3	XIV	3	12
		Total	9	Total	12	Total	10	Total	10	41
December	RKD	XI	5	II	4	II	2	IV	4	15
	SC	V	3	I,IV	7	V	3	X	4	17
	X	V, VIII	4	III	3	XI	2	XIV	2	11
		Total	12	Total	14	Total	7	Total	10	43
January	RKD	IX	4	II	4	VII	3	V	4	15
	SC	VI	4	IV	5	VI	3	XI	2	14
	X	VI	2	III	3	--	--	--	--	5
		Total	10	Total	12	Total	6	Total	6	34
February	RKD	IX	4	II	4	XII	4	VIII	2	14
	SC	VII	6	IV	5	VIII	3	--	--	14
	X	VII, IX	4	III	3	--	--	--	--	7
		Total	14	Total	12	Total	7	Total	2	35
Total no. of Hrs.		I Sem	60	III Sem	70	V Sem P-I	45	V Sem P-II	45	220
		Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs

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Department of Zoology.

Syllabus Distribution For All Odd Sem 2020-2021.

STAFF	SEM	UNIT	UNIT WISE HOURS	TOTAL	
RKD	I	I, IX, X, XI	2+8+6+5	21	78
	III	II	20	20	
	V	P-I: I, II, VII, XII	5+5+3+4	17	
		P-II: I, II, III, IV, V, VIII	2+4+4+4+4+2	20	
SC	I	II, III, IV, V, VI, VII	3+2+2+3+4+6	20	86
	III	I, IV	22+12	34	
	V	P-I: III, IV, V, VI, VIII	4+4+3+3+3	17	
		P-II: VI, VII, IX, X, XI	3+3+3+4+2	15	
X	I	II, III, IV, V, VI, VII, VIII, IX	3+3+3+2+2+2+2+2	19	56
	III	III	16	16	
	V	P-I: IX, X, XI	3+3+5	11	
		P-II: XII, XIII, XIV	3+2+5	10	


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Department of Zoology.

Unitization Of Even Sem 2020-2021.

Month	Staff	II Sem	Hrs	IV Sem	Hrs	VI Sem P-I	Hrs	VI Sem P-II	Hrs	Total
May	RKD	IX	8	I,II	09	I,II,III	11	I,II	06	34
	SC	I,IV	8	VIII,IX,X	10	VI,VIII	06	III	03	27
	X	I,II	5	V	05	----	---	VI	03	13
		Total	21	Total	24	Total	17	Total	12	74
June	RKD	VIII	8	III,IV	10	III,IV	08	VIII,IX,X	13	39
	SC	VI,VII	9	XI,XII,XIII	14	IX,X	07	IV	03	33
	X	III,V	6	VI	05	----	---	VII	02	13
		Total	23	Total	29	Total	15	Total	18	85
July	RKD	VIII	7	VII,XV	09	V,VII	07	XI,XII	12	35
	SC	VII	5	XIV,XVI	08	XI,XII	06	V	03	22
	X	X	4	----	---	---	---	----	---	4
		Total	16	Total	17	Total	13	Total	15	61
August	RKD	Group Discussion/Seminars/Revision/Solving Previous Question Papers								
	SC	Group Discussion/Seminars/Revision/Solving Previous Question Papers								
Total no. of Hrs.		II Sem	60 Hrs	IV Sem	70 Hrs	VI Sem P-I	45 Hrs	VI Sem P-II	45 Hrs	220 Hrs


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Nehru Arts, Science and Commerce College,Hubli.

Department of Zoology.

Syllabus Distribution For All Even Sem 2020-2021.

STAFF	SEM	UNIT	UNIT WISE HOURS	TOTAL	
RKD	II	VIII,IX	15+8	23	108
	IV	I,II,III,IV,VII,XV.	3+6+5+5+4+5	28	
	VI	P-I:I,II,III,IV,V,VII	2+5+6+6+3+4	26	
		P-II:I,II,VIII,IX,X,XI,XII.	2+4+8+1+4+8+4	31	
SC	II	I,IV,VI,VII	2+6+5+9	22	82
	IV	VIII,IX,X,XI,XII,XIII,XIV,XVI.	2+4+4+4+6+4+5+3	32	
	VI	P-I:VI,VIII,IX,X,XI,XII.	4+2+4+3+2+4	19	
		P-II:II,IV,V.	3+3+3	09	
X	II	I,II,III,V,X	3+2+2+4+4	15	30
	IV	V,VI.	5+5	10	
	VI	P-I: VI,VII.	3+2	05	

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Seminars

Anjuman-e-islam's

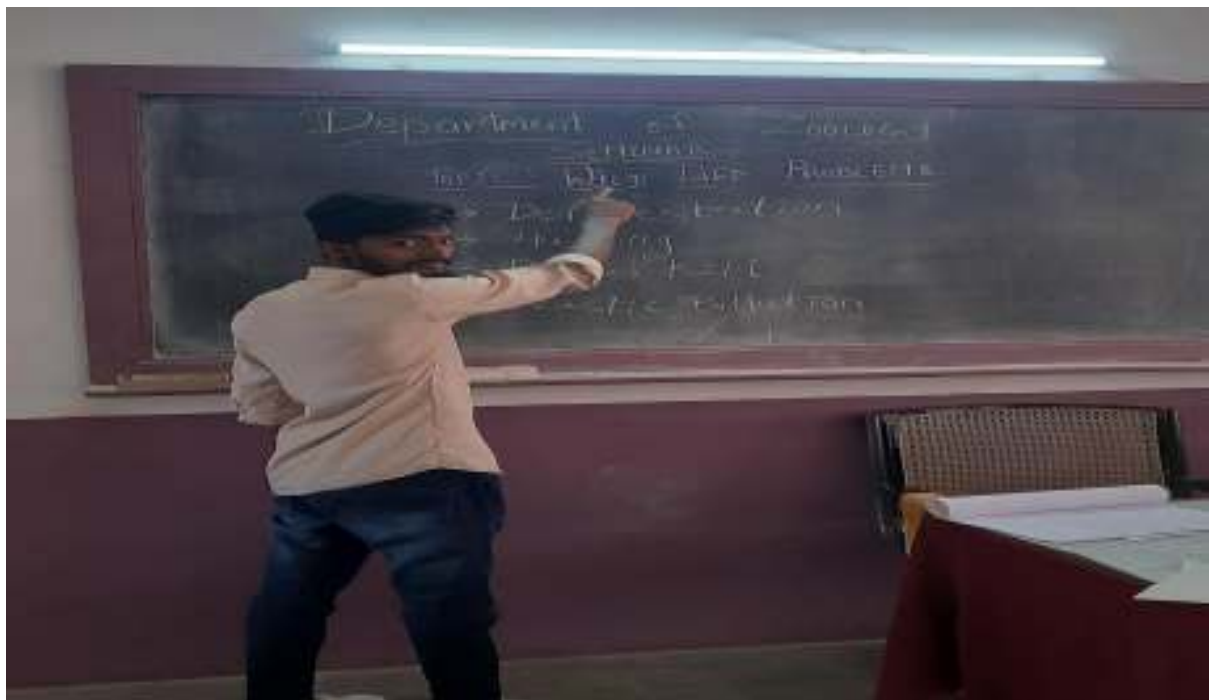
NEHRU ARTS, SCIENCE & COMMERCE COLLEGE GHANTIKERI HUBLI

(Re-accredited with 'A' Grade by NAAC Consecutively in 3 Cycles)

Department of Zoology

Seminars

Sl. No	Name of the Student	Name of the Topic	Semester
1.	Munigety John	Wild life problems	V/VI
2.	Ritika Diwate	Endangered Species	V/VI
3.	Saba Nafees Patil	Histology of stomach	III/IV
4.	Nazhat	Histology of Liver	III/IV
5.	Gausiya Bahaudur	General characteristic of phylum Protozoa	I/II
6.	Md.Sajid Shaikh	Life cycle of Ascaris	I/II



Test Marks list

Anjanan-a-lalam's
NEHRU ARTS, SCIENCE, COMMERCE, BBA, BCA COLLEGE & P.G. CENTRE
 (SHANTIKERI, HUBLI)

Test / Examination Held on 17/02/2021

Class I SEM B.Sc. Subject ZOOLOGY

STATEMENT OF MARKS

Roll No.	Total Marks out of	Roll No.	Total Marks out of	Roll No.	Total Marks out of	Roll No.	Total Marks out of	Roll No.	Total Marks out of
01	13	35	16	69	13	22	14		
02	17	36	17	70	17	89	AB		
05	15	43	14	71	20	90	19		
09	16	44	19	72	18				
11	15	46	15	75	13				
14	16	52	13	76	13				
15	17	53	12	77	18				
16	AB	54	14	79	15				
20	19	56	AB	80	14				
23	AB	61	19	82	13				
27	17	63	12	83	14				
31	15	64	18	84	15				
32	17	67	15	85	15				
34	19	68	18	86	14				

Name of the Head of Department: _____

Signature: _____

Name of the Examiner: Shobana K

Signature: [Signature]

Remedial Classes

Anjuman-e-Islam's
NEHRU ARTS, SCIENCE & COMMERCE COLLEGE, HUBLI
DEPARTMENT OF ZOOLOGY

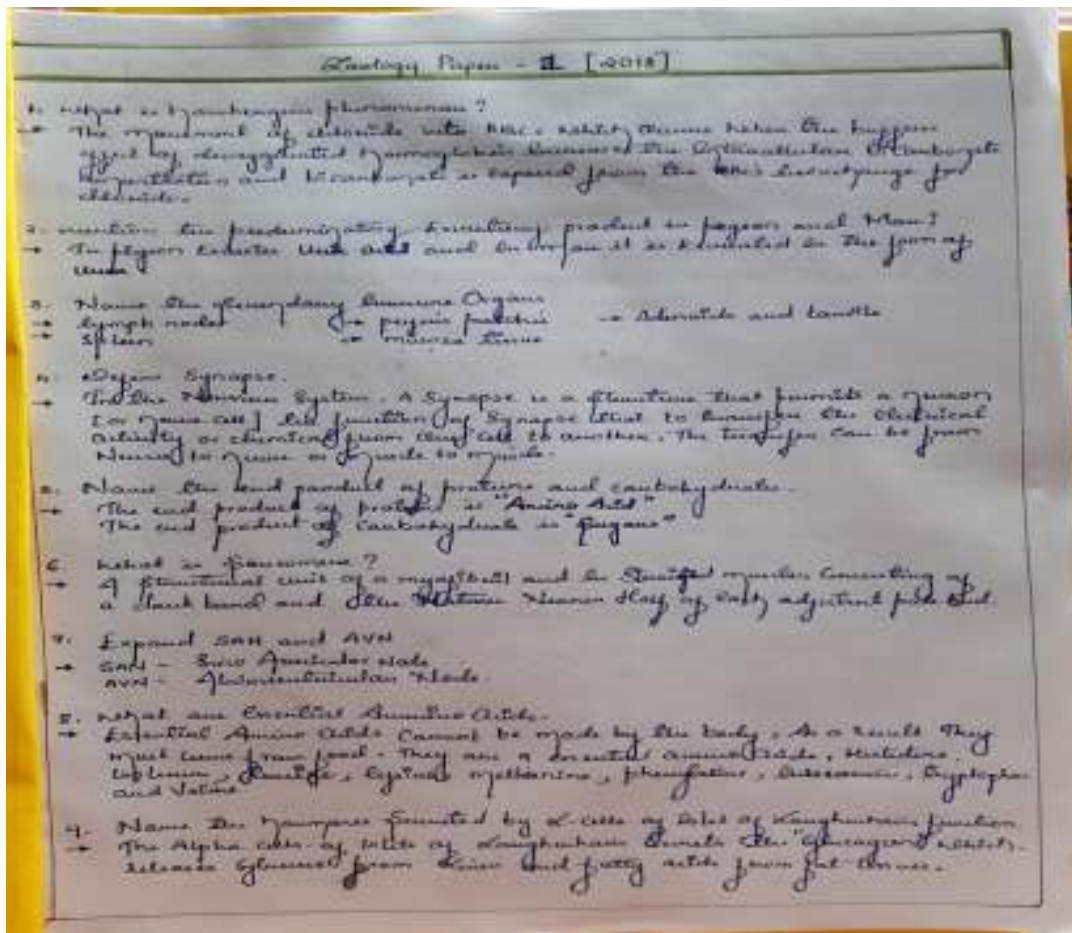
Remedial Classes for Slow Learner /Average Learners

2020-21

S.No	Name of the Students	Semester
1.	Bibi Ayesha Aigali	I/II
2.	Tasmiya Yaligar	I/II
3.	Taskeen Mulgund	I/II
4.	Aishwarya Tirumalkoppa	I/II
5.	Deepali Bhandage	I/II
6.	Satish Hulli	III/IV
7.	Rakesh Desura	III/IV
8.	Rizwana Jangleppanavar	III/IV
9.	Akshata Tirumalakoppa	III/IV
10.	Rachayya Saunshi	III/IV
11.	Rija Fatima	V/VI
12.	Priya Doddamani	V/VI
13.	Afiya Sultana Bijapur	V/VI
14.	Munigety John	V/VI


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Degree College, HUBBALLI-20.

Assignments



Department Library Register

Vidyashri

STUDENT LONG BOOK

DEPARTMENT OF ZOOLOGY
DEPARTMENTAL LIBRARY
BOOKS REGISTER



H. O. B. Zoology
Netru College, HUNKJ-20

Sl. No	Accn. No.	Author	Title
109	Z-109	Ajay Paul	A.T.B. of Cell & Molecular Biology
110	Z-110	V.K. Agarwal	Zoology for Degree students
111	Z-111	- do -	- do -
112	Z-112	Jordan & Verme	Invertebrate Zoology
113	Z-113	S.S. Lal	Practical Invertebrate
114	Z-114	R.L. Kotpal	Modern T.B. of Zoology Invertebrate
115	Z-115	S.S. Lal	Practical Zoology Vertebrates
116	Z-116	R.L. Kotpal	Modern T.B. of Zoology Vertebrates
117	Z-117	Dubey & Maheshwari	A.T.B. of Microbiology
118	Z-118	Reena Mathur	Animal Behaviors
119	Z-119	Shukla & Upadhyay	Economic Zoology
120	Z-120	R. Kalyakate & A. Dangle	Medical Parasitology
121	Z-121	Sinha & others	Advanced Practical Zoology

Question Bank

3437 – E74 – VSS – F – 21

FIFTH SEMESTER B.SC. DEGREE EXAMINATION, MARCH 2021
Paper – I : ZOOLOGY
Animal Physiology and Biochemistry

Time : 3 Hours] [Max. Marks : 80

Instructions : 1) Answer *all* questions.
2) Draw neat labelled diagrams *wherever* necessary.

I. Answer **any ten** of the following : (10×2=20)

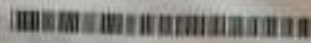
- 1) Name the primary immune organs.
- 2) Expand ACTH and FSH
- 3) What is synaptic junction ?
- 4) Name the contractile proteins.
- 5) What are aldoses ? Give an example.
- 6) What are co-enzymes ? Give an example.
- 7) What is phosphorylation ?
- 8) What is mechanical digestion ?
- 9) Define external respiration.
- 10) What is myogenic heart ?
- 11) Define uricotelism. Give an example.
- 12) Name any two preventive measures of AIDS.

II. Answer **any six** of the following : (6×5=30)

- 13) List the biological significance of lipids.
- 14) Differentiate between striated and cardiac muscles.
- 15) Write the properties of enzymes.
- 16) Explain the conduction of nerve impulse across an axon.
- 17) Write a note on occurrence, functions and deficiency diseases of Vitamin C.

[P.T.O.]

3437 – E74 – VSS – F – 21



- 18) Explain the physiology of digestion of carbohydrates.
- 19) Explain with the help of schematic representation, the ornithine cycle.
- 20) Describe the structure of immunoglobulin G (IgG).

III. Answer the following :

(1×10=10)

- 21) Explain the conducting system of heart.

OR

Give an account of fat soluble vitamins with reference to occurrence, functions and deficiency.

- 22) Describe the physiology of urine formation.

(1×10=10)

OR

What is Adenohypophysis ? Give an account of the hormones secreted by adenohypophysis.

- 23) What is sarcomere ? Explain the sliding filament theory of muscle contraction.

(1×10=10)

OR

Explain glycolysis with the help of schematic representation.