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VEER NARMAD SOUTH GUJARAT UNIVERSITY
University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312
E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

-: પરિપત્ર :-

વિજ્ઞાન વિદ્યાશાખા હેઠળની સંલગ્ન પ્રાણીશાસ્ત્ર વિષયની તમામ કોલેજોનાં આચાર્યશ્રીઓ તથા ડિપાર્ટમેન્ટનાં વડાશ્રીને જણાવવાનું કે, શૈક્ષણિક વર્ષ ૨૦૨૨-૨૩ થી અમલમાં આવનાર પ્રેક્ટીકલમાં Skeleton Paper બનાવવા અંગે વિચારણા કરતા ઝૂઓલોજી વિષયની અભ્યાસ સમિતિની તા. ૧૪/૦૩/૨૦૨૨ની સભાનાં ઠરાવ ક્રમાંક:૩ અન્વયે નીચે મુજબ કરેલ ભલામણ વિજ્ઞાન વિદ્યાશાખાનાં ડીનશ્રીએ વિદ્યાશાખાની મંજૂરીની અપેક્ષાએ વિજ્ઞાન વિદ્યાશાખા વતી મંજૂર કરી એકેડેમિક કાઉન્સિલને કરેલ ભલામણ એકેડેમિક કાઉન્સિલ તા. ૧૨/૪/૨૦૨૨ ની સભાનાં ઠરાવ ક્રમાંક:૨૯ થી સ્વીકારી મંજૂર કરેલ છે. જેની આથી જાણ કરવામાં આવે છે.

ઝૂઓલોજી વિષયની અભ્યાસ સમિતિની તા. ૧૪/૦૩/૨૦૨૨ની સભાનાં ઠરાવ ક્રમાંક:૩


:: આથી ઠરાવવામાં આવે છે કે, શૈક્ષણિક વર્ષ ૨૦૨૨ થી અમલમાં આવનાર પ્રેક્ટીકલમાં Skeleton Paper આ સાથે સામેલ છે જે મંજૂર કરી વિજ્ઞાન વિદ્યાશાખાને ભલામણ કરવામાં આવે છે.

એકેડેમિક કાઉન્સિલની તા. ૧૨/૦૪/૨૦૨૨ની ઠરાવ ક્રમાંક: ૨૯

:: આથી ઠરાવવામાં આવે છે કે, પ્રેક્ટીકલમાં Skeleton Paper બનાવવા અંગે ઝૂઓલોજી વિષયની અભ્યાસ સમિતિની તા. ૧૪/૦૩/૨૦૨૨ની સભાનાં ઠરાવ ક્રમાંક:૩ અન્વયે ભલામણ વિજ્ઞાન વિદ્યાશાખાનાં ડીનશ્રીએ વિદ્યાશાખાની મંજૂરીની અપેક્ષાએ વિજ્ઞાન વિદ્યાશાખા વતી મંજૂર કરી એકેડેમિક કાઉન્સિલને કરેલ ભલામણનો સ્વીકાર કરી મંજૂર કરવામાં આવે છે.

(બિડાણ: ઉપર મુજબ)

ક્રમાંક : એસ./પ્રાણીશાસ્ત્ર/પરિપત્ર/૭૭૭૭/૨૦૨૨
તા.૨૦-૦૪-૨૦૨૨


ઈ.યા. કુલસચિવ

પ્રતિ,

૧) વિજ્ઞાન વિદ્યાશાખા હેઠળની સંલગ્ન પ્રાણીશાસ્ત્ર વિષયની તમામ કોલેજોનાં આચાર્યશ્રીઓ. તથા ડિપાર્ટમેન્ટનાં વડાશ્રી.

૨) અધ્યક્ષશ્રી, વિજ્ઞાન વિદ્યાશાખા.

૩) પરીક્ષા નિયામકશ્રી, પરીક્ષા વિભાગ, વીર નર્મદ દ. ગુ. યુનિવર્સિટી, સુરત.

.....તરફ જાણ તેમજ અમલ સારૂ.

Veer Narmad South Gujarat University, Surat.

F.Y.B.Sc.(Sem-I)

Practical Examination

Zoology :Z-101&Z-102

(effective from june-2022)

Date: Time-12:30 pm to 4:30pm Total Marks: 40

Note:

(1) Illustrate answer as per Instructions.

(2) Illustrate answer with Labeled Diagram Wherever necessary.

(3) Write answer of Q-3 in separate answer book.

Q-1. Make a temporary Preparation of your Blood Group and Rh factor/ write key for identification of Poisonous and Non-poisonous snakes with labeled diagram. (06)

Q-2. Submission of Animal Album. (03)

Q-3. Write as per Instructions: (18)

(1) Identify and give salient features.(Invertebrate)

(2) Identify and give salient features.(Invertebrate)

(3) Identify and give salient features.(vertebrate)

(4) Identify and give salient features.(vertebrate)

(5) Identify and describe its Ethological significance.

(6) Identify and describe its Genetical Relevance.

(7) Identify and describe its Adaptations.

(8) Identify and describe.(cytology)

(9) Identify and describe.(Sycon/Liver fluke larva)

Q-4. Viva-voce. (08)

Q-5. Journal (05)

Veer Narmad South Gujarat University, Surat.

F.Y.B.Sc. (Sem-II)

Practical Examination

Zoology: Z – 201 & Z - 202

(Effective from June - 2022)

Date: Time-12:30pm to 4:30pm Total Marks: 40

Note:

(1) Illustrate answer as per Instructions.

(2) Illustrate answer with Labeled Diagram Wherever necessary.

(3) Write answer of Q-3 in separate answer book

Q-1. Draw labeled diagram of comparative anatomy of Digestive system /

Respiratory system (07)

Q-2. Write as per Instructions: (20)

1 Identify and give salient features. (Integumentary system)

2 Identify and describe (Receptor organs)

3 Identify and describe (national parks/sanctuaries).

4 Identify and describe (fisheries).

5 Identify and describe (poultry appliances)

6 Identify and describe (control of food ingestion).

7 Identify and describe (types of salivary gland).

8 Identify and describe (Vitamin deficiency).

9 Identify and describe (types of reproduction).

10 Identify and describe (tissue system).

Q-3. Viva-voce. (08)

Q-4. Journal (05)

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
S. Y. B. Sc. (Semester-III)

Practical Examination (Effective from June-2022)

Date:

Time: 2 hrs

Total Marks: 20

Zoology Practical-I (Based on Paper – Z-301)

- Q.1 Draw a labeled diagram of _____ system of Earthworm. (05)
Q.2 Draw a labeled diagram of Permanent slides of Earthworm. (02)
Q.3 Write the specimens as per instructions. (06)
 1. Identify and classify giving reasons
 2. Identify and describe (Adaptations/Evolution)
 3. Identify and describe (Vermiculture/Sericulture)
Q.3 Viva-voce (04)
Q.4 Journal (03)

Zoology Practical-II (Based on Paper – Z-302)

Date:

Time: 2 hrs

Total Marks: 20

- Q.1 Draw a labeled diagram of _____ system of Labeo (07)
Q.2 Write the specimens as per instructions. (06)
 1. Identify and classify giving reasons
 2. Identify and comment on its peculiarities (Osteology).
 3. Identify and describe (Histology)
Q.3 Viva-voce (04)
Q.4 Journal (03)

Zoology Practical-III (Based on Paper – Z-303)

Date:

Time: 2 hrs

Total Marks: 20

Note: (1) 'X' Candidates will begin with Q-1.
(2) 'Y' Candidates will begin with Q-2.

- Q.1 Hematology experiment (05)
Q.2 Preparation of atomic model. (04)
Q.3 Write the specimens as per instructions. (04)
 1. Identify and describe (Genetics)
 2. Identify and describe (Physiology)
Q.4 Viva-voce (04)
Q.5 Journal (03)
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VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.
S.Y.B.Sc. PRACTICAL EXAMINATION SEMESTER-IV
ZOOLOGY PRACTICAL-I (Based on Paper-III –Z-401)
(Effective from June-2022)

Date: _____ Time: 2.00 hrs Total Marks: 20

- Note: (1) 'X' Candidates will begin with Q-1.
(2) 'Y' Candidates will begin with Q-2.
(3) Write answers of the Q.2 in separate answer book.

Q.1 Draw a labelled diagram of _____ system and mounting . (05)

Q.2 Identify the specimen as per instructions. (08)

1. Identify and classify giving reasons.
2. Identify and describe.
3. Identify and describe.
4. Identify and describe.

Q.3 Viva-voce (04)

Q.4 Journal (03)

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
S.Y.B.Sc. PRACTICAL EXAMINATION SEMESTER-IV
ZOOLOGY PRACTICAL-II (Based on Paper-IV-Z-402)
(Effective from June-2022)

Date: _____ Time: 2.00 hrs Total Marks: 20

- Note: (1) 'X' Candidates will begin with Q-1.
(2) 'Y' Candidates will begin with Q-2.
(3) Write answers of the Q.2 in separate answer book.

Q.1 Draw a labelled diagram of _____ system. (07)

Q.2 Identify the specimen as per instructions. (06)

1. Identify and classify giving reasons.
2. Identify and comment on its peculiarities (Osteology).
3. Identify and describe (Embryology).

Q.3 Viva-voce (04)

Q.4 Journal (03)

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.
S.Y.B.Sc. PRACTICAL EXAMINATION SEMESTER-IV
ZOOLOGY PRACTICAL-III (Based on Paper-V –Z -403)
(Effective from June-2022)

Date:

Time: 2.00 hrs

Total Marks: 20

- Note: (1) 'X' Candidates will begin with Q-1.
(2) 'Y' Candidates will begin with Q-2.
(3) Write answers of the Q.2 in separate answer book.

Q.1 Qualitative analysis of organic compound / constituents of urine from the given solution. (09)

Q.2 Identify the specimen as per instructions. (04)

1. Identify and describe.
2. Identify and describe.

Q.3 Viva-voce (04)

Q.4 Journal (03)

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
T.Y. B. Sc. Semester –V (JUNE 2022)
PRACTICAL EXAMINATION
ZOOLOGY PRACTICALS-I,III, V(Based on Papers- I, III, V)

Date :

Time : 11:00 am to 05:00 pm

Total Marks : 60

- Q.1 (A) Draw a neat and labeled diagram of _____ system. (6)
(B) Draw a labeled diagram of mounting / Identify any TWO organisms from given culture. (4)
- Q.2 (A) Atomic model of A_T_G_C / Enzyme activity (8)
(B) Preparation of Buffer solution / To measure pH (4)
- Q.3 Detect any two adulterants from the given sample (10)
- Q.4 Identify the specimens as per instructions: (16)
- 1 Identify and classify giving reasons.
 - 2 Identify and classify giving reasons.
 - 3 Identify and describe.
 - 4 Identify and describe (DNA/RNA).
 - 5 Identify and describe (Photo or chart of any structure of Vit.).
 - 6 Identify and describe.
 - 7 Identify and describe.
 - 8 Identify and describe.
- Q.5 Viva-voce (06)
- Q.6 Journal (06)

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.
T.Y. B.Sc. Semester –V (JUNE 2022)
PRACTICAL EXAMINATION
ZOOLOGY PRACTICALS-II, IV, VI (Based on Papers- II, IV, VI)

Date :

Time : 11:00 am to 05:00 pm

Total Marks : 60

- Q.1 (A) Draw a neat and labeled diagram of _____ system. (6)
(B) Draw a neat and labeled diagram of mounting. (4)
- Q.2 To prepare a temporary mounting of chick embryo. (10)
- Q.3 To perform Barr body. (10)
- Q.4 Identify the specimens as per instructions: (18)
- 1 Identify and classify giving reasons.
 - 2 Identify and describe.
 - 3 Identify and describe.
 - 4 Identify and describe.
 - 5 Identify and describe.
 - 6 Identify and describe (Wild life project).
 - 7 Identify and describe (Karyotype/syndrome).
 - 8 Identify and describe (Model/photo/chart of transgenic animal).
 - 9 Identify and describe (Types of Cancer)
- Q.5 Viva-voce (06)
- Q.6 Journal (06)

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
T.Y.B.Sc. Semester –VI (March – April 2022)
PRACTICAL EXAMINATION - ZOOLOGY PRACTICAL – I
(Based on Papers - Zoo – 601 + 603 + 605)

Date: _____ **Time: 11:00 am to 05:00 pm** **Total Marks: 60**

- Q.1 (A) Draw a neat and labeled diagram of _____ system. (6)
(B) Draw a labeled diagram of mounting. (4)
- Q.2 Total RBC count **OR** Differential count of WBC (10)
- Q.3 (A) To perform paper chromatography for separation of amino acids
OR
(A) To prepare different stages of mitosis from onion root tip. (8)
(B) Identify and describe methodology and applications in biological sciences of given Specimen. (4)
- Q.4 Identify the specimens as per instructions: (16)
- 01) Identify and classify giving reasons (Invertebrate)
 - 02) Identify and classify giving reasons (Invertebrate)
 - 03) Identify and describe (Invertebrate larva)
 - 04) Identify and describe (analytical instrument)
 - 05) Identify and describe (analytical instrument)
 - 06) Identify and describe (hormonal control of glands)
 - 07) Identify and describe
 - 08) Identify and describe
- Q.5 Viva-voce (06)
- Q.6 Journal (06)

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.

T.Y.B.Sc. Semester –VI (March - April - 2022)

PRACTICAL EXAMINATION

ZOOLOGY PRACTICAL - II

(Based on Papers - Zoo – 602 + 604 + 606)

Date:

Time: 11:00 am to 05:00 pm

Total Marks: 60

- Q.1 (A) Draw a neat and labeled diagram of _____ system. (6)
(B) Identify and describe its Histological structure. (4)
- Q.2 Identify and describe its morphology, vectorship, pathogenicity and control (Entomology) (6)
- Q.3 Estimation of Alkalinity/Hardness/Free CO₂ **OR** Dissolved O₂. (10)
- Q.4 Identify the specimens as per instructions: (12)
- 01) Identify and classify giving reasons (Vertebrate)
 - 02) Identify and describe
 - 03) Identify and describe (Entomology)
 - 04) Identify and describe (Entomology)
 - 05) Identify and describe (Behaviour)
 - 06) Identify and describe (Types of Fossils)
- Q.5 Educational excursion and submission. (10)
- Q.6 Viva-voce (6)
- Q.7 Journal (6)

Veer Narmad South Gujarat University, Surat
M.Sc. (Sem. I) Practical Examination
Zoology: ZOO–1001 & ZOO–1003
Feb. / Mar. - 22

Date:

Time: 06 hours

Total Marks:70

Instructions : (1) Illustrate answer as per Instructions.

(2) Illustrate answer with labeled diagram wherever necessary

Q.1. Dissect the given animal so as to expose itssystem.(mounting)
(10)

Q.2. Carry out the study of meiotic division of chromosomes from *Poecilocus pictus*

OR

Perform the slide for salivary gland chromosomes of *Drosophila melanogaster*. (10)

OR

Isolation of DNA from given material

Q.3. Perform the of Barr body from buccal smear

OR

Vital staining of mitochondria (10)

Q.4. Write as per Instructions:

(10)

(1) Identify and classify giving reasons.

(2) Identify and classify giving reasons.

(3) Identify and classify giving reasons.

(4) Identify and classify giving reasons.

(5) Identify and describe.

Q.5. Viva voce

(10+10)

Q.6. Journal

(5+5)

Veer Narmad South Gujarat University, Surat

M.Sc. (Sem. I) Practical Examination

Zoology: ZOO–1002 & ZOO–1004

Feb. / Mar. - 22

Date:

Time: 06 hours

Total Marks:70

Instructions : (1) Illustrate answer as per Instructions.

(2) Illustrate answer with labeled diagram wherever necessary

Q.1. Estimation of total amino acids OR Estimation of total proteins (10)

Q.2. Determination of urine creatinine content

OR

Determination of Isoelectric point of casein (10)

Q.3. Identify and describe histological structure (two tissues) (10)

Q.4. Write as per Instructions : (10)

(1) Identify and describe (Immune cell)

(2) Identify and describe (frog development)

(3) Identify and describe (frog development)

(4) Identify and describe (chick stages)

(5) Identify and describe (chick stages)

Q.5. Viva voce (10+10)

Q.6. Journal (5+5)

Veer Narmad South Gujarat University, Surat
M.Sc. (Sem. II) Practical Examination
Zoology: ZOO–2001 & ZOO–2003

Date:

Time: 06 hours

Total Marks:70

Instructions : (1) Illustrate answer as per Instructions.

(2) Illustrate answer with labeled diagram wherever necessary

Q.1. Dissect out the given animal so as to expose itssystem. (12)

Q.2. Study of cell counting and cell viability/isolation of cellular fraction. (10)

Q.3. Identify and describe methodology and application of Animal tissue culture /Western blotting (5)

Q.4 Calculation mean, media, mode, standard deviation , standards error (5)

Q.4. Write as per Instructions : (08)

(1) Identify and classify giving reasons.

(2) Identify and classify giving reasons.

(3) Identify and classify (skull and modification)

(4) Identify and describe.

Q.5. Viva voce (10+10)

Q.6. Journal (5+5)

Veer Narmad South Gujarat University, Surat
M.Sc. (Sem. II) Practical Examination
Zoology: ZOO–2002 & ZOO–2004

Date:

Time: 06 hours

Total Marks:70

Instructions : (1) Illustrate answer as per Instructions.

(2) Illustrate answer with labeled diagram wherever necessary

Q.1. Estimation of Chloride / Sulphate in water samples. (10)

Q.2. Estimation of C.O.D/free CO₂ / Dissolved Oxygen in water samples. (10)

Q.3. Prepare live mountings of any two animals from given material (04)

Q.4. Identify and describe histological structure (two tissues) (8)

Q.5. Write as per Instructions : (8)

(1) Identify and describe.

(2) Identify and describe

(3) Identify and describe.

(4) Identify and describe

Q.5. Viva voce (10+10)

Q.6. Journal (5+5)

Veer Narmad South Gujarat University, Surat
M.Sc. Zoology (Sem. III) Practical Examination 22-
(ZOO: 3001 + ZOO: 3002)

Date:

Time: 11.00 a.m. to 5.00 p. m.

Total Marks: 70

Instructions : (1) Answer as per Instructions. ; (2) Draw labeled diagram wherever necessary

- Q.1 Prepare a temporary stained squash of onion root tip and show any two stages (10)
- Q.2 Study of Nest and Nesting behavior in Birds/social insects/ Study of phototaxic behavior in insect larva [Visit to N.P., Sanc.& Biod. park is necessary] (05)
- Q.3 Study of human Karyotype / Study of Mendelian laws using Drosophila Crosses. (10)
- Q.4 Write as per Instructions: (12)
- (1) Identify and describe [cell organelles]
 - (2) Identify and describe [circadian rhythm in human]
 - (3) Identify and describe (Pedigree analysis – chart)
- Q.5 Viva voce (10+10)
- Q.6 Journal (4+4)

Veer Narmad South Gujarat University, Surat
M.Sc. Zoology (Sem. III) Practical Examination 22-
(ZOO: 3003 + ZOO: 3004)

Date:

Time: 11.00 a.m. to 5.00 p. m.

Total Marks: 210

Q.1.All students should show the **Progress Report** of their Project/Dissertation.

Q.2.Submission of questionnaire and ppt presentation according to allotted research papers

Q.3.Viva voce



VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

M. Sc. Zoology Semester-III JANUARY 2022

ZOO – 3003

Evaluation of Oral P resentation in Zoology Project / Dissertation

CENTER:			
Name of the Examiner	Batch	Date	Signature

SEAT NO.	Introduction and Background	Co-relation with the The me	Appropriate Analysis of Data	Results and Discussion	Elegance of Presentation	VIVA	TOTAL MARKS
	(20)	(10)	(10)	(15)	(10)	(40)	(105)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Out of Turn Number/s: _____

Sheet Number: _____

CRITERION FOR EXAMINERS

Examiners are requested to evaluate individual candidate against each of the following categories

Category	Maximum Marks
1. Introduction and Background <ul style="list-style-type: none">➤ Aim of the study and Background information➤ Novelty in the work➤ Sufficient material / data for clear understanding of the subject	20
2. Co-relation with the Theme <ul style="list-style-type: none">➤ Relevance with human welfare and society, if any➤ Rationale of the study	10
3. Appropriate Analysis of Data <ul style="list-style-type: none">➤ Clarity of experimental design➤ Quality of material and scientific depth➤ Systematic work profile	10
4. Results and Discussion <ul style="list-style-type: none">➤ Effective statistical processing and presentation of results➤ Effective visual presentation of data including tables, graphs, figures, pictures➤ Identification of the shortcomings and future line of action	15
5. Elegance of Presentation <ul style="list-style-type: none">➤ Legible and appropriate density of information including references and acknowledgements➤ Clarity of speech with precise pronunciation of all terminologies➤ Effective communication skill and keeping engaged with audience (Eye- EyeContact)➤ Presentation to be well paced throughout	10
6. VIVA <ul style="list-style-type: none">➤ Candidate's answering ability and over-all general knowledge➤ Reflection of deep understanding and creative thinking of the candidate	40
TOTAL MARKS:	105



VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
M. Sc. Zoology Semester-III JANUARY 2022
ZOO – 3004

Evaluation of Z-3004: Review Article in Zoology.

CENTER:			
Name of the Examiner	Batch	Date	Signature

SEAT NO.	Introduction	Method	Results	Discussion	References	VIVA	TOTAL MARKS
	(20)	(10)	(10)	(15)	(10)	(40)	(105)
1							
2							
3							
4							
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11							
12							
13							
14							
15							

Out of Turn Number/s: _____

Sheet Number: _____

Dr. Alkesh I. Shah.

Chairman Practical at M.Sc. Zoology Semester III, January – 2022.

Veer Narmad South Gujarat University, Surat
M.Sc. (Sem. IV) Practical Examination
Zoology: ZOO – 4001 & ZOO – 4002

Date:

Time: 11.00 A. M. to 4.00 P. M.

Total Marks: 70

Instructions : (1) Illustrate answer as per Instructions.
(2) Illustrate answer with labelled diagram wherever necessary

- Q.1 Draw a labelled diagram of human.....system. (10)
- Q.2 Draw a labelled diagram of life cycle of (10)
- Q.3 Describe the causal organism of.....and symptoms. (10)
- Q.4 Write as per Instructions: (10)
- (1) Identify and describe. (Mouth parts)
 - (2) Identify and describe. (Poultry diseases)
 - (3) Identify and describe. (Cow/Buffalo)
 - (4) Identify and describe. (Honeybee diseases)
 - (5) Identify and describe. (Cultivable fish species)
- Q.5 Educational Excursion/ Visit (10)
- Q.6 Viva voce (10)
- Q.7 Journal (5+5)

Veer Narmad South Gujarat University, Surat
M.Sc. (Sem. IV) Practical Examination
Zoology: ZOO – 4003 & ZOO – 4004

Date:

Time: 11.00 P. M. to 5.30 P. M.

Total Marks: 210

Q.1 Project/Dissertation with viva (105)

Q.2 Seminar Presentation with viva (105)



VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
M. Sc. Zoology Semester-IV SEPTEMBER - OCTOBER 2022

ZOO – 4003

Evaluation of Oral Presentation in Zoology Project / Dissertation

CENTER:			
Name of the Examiner	Batch	Date	Signature

SEAT NO.	Introduction and Background	Co-relation with the Theme	Appropriate Analysis of Data	Results and Discussion	Elegance of Presentation	VIVA	TOTAL MARKS
	(20)	(10)	(10)	(15)	(10)	(40)	(105)
1							
2							
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15							

Out of Turn Number/s: _____

Sheet Number: _____

CRITERION FOR EXAMINERS

Examiners are requested to evaluate individual candidate against each of the following categories

Category	Maximum Marks
1. Introduction and Background <ul style="list-style-type: none">➤ Aim of the study and Background information➤ Novelty in the work➤ Sufficient material / data for clear understanding of the subject	20
2. Co-relation with the Theme <ul style="list-style-type: none">➤ Relevance with human welfare and society, if any➤ Rationale of the study	10
3. Appropriate Analysis of Data <ul style="list-style-type: none">➤ Clarity of experimental design➤ Quality of material and scientific depth➤ Systematic work profile	10
4. Results and Discussion <ul style="list-style-type: none">➤ Effective statistical processing and presentation of results➤ Effective visual presentation of data including tables, graphs, figures, pictures➤ Identification of the shortcomings and future line of action	15
5. Elegance of Presentation <ul style="list-style-type: none">➤ Legible and appropriate density of information including references and acknowledgements➤ Clarity of speech with precise pronunciation of all terminologies➤ Effective communication skill and keeping engaged with audience (Eye-Eye Contact)➤ Presentation to be well paced throughout	10
6. VIVA <ul style="list-style-type: none">➤ Candidate's answering ability and over-all general knowledge➤ Reflection of deep understanding and creative thinking of the candidate	40
TOTAL MARKS:	105



VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
M. Sc. Zoology Semester-IV SEPTEMBER – OCTOBER 2022
ZOO – 4004

Evaluation of Z-4004: Seminar Presentation in Zoology.

CENTER:			
Name of the Examiner	Batch	Date	Signature

SEAT NO.	Introduction	Method	Results & Discussion	References	Seminar Attended	VIVA	TOTAL MARKS
	(15)	(10)	(15)	(05)	(30)	(30)	(105)
1							
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Out of Turn Number/s: _____

Sheet Number: _____

Dr. Alkesh I. Shah.
Chairman Practical at M. Sc. Zoology Semester IV, Sept. / Oct. 2022