

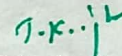
**GOVERNMENT DEGREE COLLEGE
LUXETTIPET
NOTICE**

Date:11.01.2020

It is hereby informed to the students of B.Sc B.Z.C I,II and IIIYr ,that a field trip will be conducted by Zoology department on 18.01.2020 to Polasa Agricultural University in view of making the learning more experiential.Hence i request all the students to attend to field trip and make it a success.



Department of Zoology



Principal

Principal

Govt. Degree College

Luxettipet -504 215



**Government Degree College,
Luxettipet**



District: Mancherial

Contact No: 08739 233888 e-mail: gdclxpt@gmail.com

Principal Present (FAC): Dr. Jai Kishan Ojha, M.Sc, Ph.D. cell: 9440036165

To

The Associate Director of Research
Regional Agricultural Research Station
Polasa, Jagtial

From

The Principal
Government Degree College
Luxettipet, Dist. Mancherial

Sir,

Sub: Permission for field visit to Agricultural Research Station, Polasa - UG Students of Govt. Degree College, Luxettipet - Request - Regarding.

In accordance with the subject cited, I wish to submit that Government Degree College, Luxettipet is catering to the educational needs of students hailing from remote and rural areas surrounding the region. To enrich the curriculum and to inculcate scientific temper in the nascent minds of our students, the institute is planning for field visit to your esteemed research centre.

In this regard, I request your good self to consider our request and grant permission to our students (about 30) to visit your Institution on 18.01.2020 and facilitate them in knowing the current trends and techniques in the subject.

Thanking You sir

Yours Sincerely,

Received

Jai Kishan Ojha
17/1/2020

Associate Director of Research
Regl. Agril. Res. Satation
POLASA, JAGTIAL.

T. K. Jil
Principal

**GOVERNMENT DEGREE COLLEGE ,LUXETTIPET
STUDENTS ATTENDANCE SHEET**

Date: 18/01/2020

S.No	Name of the student	Course and Year	Signature of the students
1.	U. Sandhya	B.Sc. B.2.c IIIYr	U. Sandhya
2.	M. Sandhya	"	M. Sandhya
3.	M. Anusha	"	M. Anusha
4.	P. Rakesh	"	P. Rakesh
5.	M. Rajitha	"	M. Rajitha
6.	E. Mounika	"	E. Mounika
7.	R. umamaheshwari	"	R. umamaheshwari
8.	D. Madhukar	"	D. Madhukar
9.	G. Ganesh	"	G. Ganesh
10.	D. Sravyasri	"	D. Sravyasri
11.	E. Krishnaveni	B.sc B.2.c II Yr.	E. Krishnaveni
12.	R. Sneha	"	R. Sneha
13.	T. Yellava	"	T. Yellava
14.	G. Anjali	"	G. Anjali
15.	M. Sandhyarani	"	M. sandhya Rani
16.	K. Mamatha	"	K. Mamatha
17.	A. Rajeshwari	"	A. Rajeshwari
18.	B. Susmitha	"	B. susmitha
19.	A. Vani	B.sc. B.2.c IYr	A. Vani
20.	E. Sreeja	"	E. Sreeja
21.	K. Amulya	"	K. Amulya

Zoology
Department

N.K.J
Principal

Principal
Govt. Degree College
Luxettipet- 504 215, Dist: Mancherial.



Place ⇒ Regional Agricultural Research Station. Polasa. Tadial dist.

Topic ⇒ Vermi compost.

Date ⇒ 18/01/2020

Students ⇒ B.sc. B.2.c IIIrd Students,
B.sc. B.2.c IInd Students,
B.sc. B.2.c Ist Students.

7.11.20

Principal
Govt. Degree College
Luxettipet-504 215, Dist. Mancherial.



⇒ Vermicompost is the product of the decomposition process using various species of worms, usually red wigglers, white worms and other earth-worms, to create a mixture of decomposed vegetable or food waste, bedding materials and vermicast. Dr. Sadwi who is senior scientist in "Regional Agricultural Research Station" has explained the vermicomposting unit and its benefits. It is very useful B.E. III & students not only in their syllabus but also in their agricultural benefits.

T.K.V.J.

Principal
Govt. Degree College
Luxettipet-504 215, Dist. Mancherial.

Field trip outcomes

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*⇒ Students should acknowledge worm composting is using worms to recycle food scraps and other - organic material into a valuable soil amendment called "vermicompost" or "worm compost"

*⇒ Worms eat food scraps, which become compost as they pass through the worms body. →

REGIONAL AGRICULTURAL RESEARCH CENTRE, POLASA
DIST. JAGTIAL, TELANGANA STATE

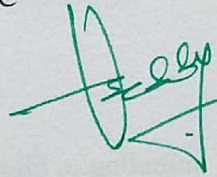
ATTENDANCE CERTIFICATE

This is to Certify that the following staff members from Government Degree College, Luxettipet attended the field visit at Regional Agricultural Research Centre, Polasa along with (30) students on 18.01.2020.

Staff members

- ① Dr. Jai Kishan Ojha (Principal FAC)
Asst. Prof of Physics.
- ② P. Savittra
Asst. Prof of Botany.
- ③ P. Chandrashekar
Lec in Zoology
- ④ G. Sreelatha
Asst. Prof of Telugu.
- ⑤ Dr. E. Rajkumar
Asst. Prof of Hindi
- ⑥ B. Narmada.
TSKC Mentor

7


18/1/2020

Associate Director of Research
Regl Agril. Res. Satation
POLASA, JAGTIAL.

KAKATIYA UNIVERSITY
U.G. ZOOLOGY (Under CBCS)
B.Sc. Final Year (DSE-1F)
SEMESTER – VI

Elective Paper – VIII

B) Aquatic Biology (Theory)

Max. Marks: 60

UNIT – I

- 1.1 Brief introduction of the aquatic biomes
- 1.2 Freshwater ecosystem (lakes, wetlands, streams and rivers), Estuaries, intertidal zones.
- 1.3 Oceanic pelagic zone, marine benthic zone.
- 1.4 Coral reefs

UNIT – II

- 2.1 Lakes Origin and classification of lakes, Lake as an Ecosystem, Lake morphometry,
- 2.2 Physico-chemical Characteristics of fresh water bodies: Light, Temperature, Thermal stratification, Dissolved Solids, Carbonate, Bicarbonates, Phosphates and Nitrates, Turbidity: dissolved gases (Oxygen, Carbon dioxide).
- 2.3 Nutrient Cycles and Lakes- Nitrogen, Sulphur and Phosphorous.
- 2.4 Streams: Different stages of stream development, Physico-chemical environment, adaptation of hill-stream fishes.

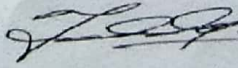
UNIT – III

- 3.1 Salinity and density of sea water,
- 3.2 Continental shelf,
- 3.3 Adaptation of deep sea organisms.
- 3.4. Sea weeds.

UNIT – IV

- 4.1 Aquatic pollution - Causes of pollution: Agricultural, Industrial, Sewage, Thermal and Oil spills,
- 4.2 Eutrophication
- 4.3 Management and conservation
- 4.4 Water pollution acts of India, Sewage treatment and water quality assessment - BOD and COD.


Principal
Govt. Degree College
Luxettipet - 504 215


Prof. T. RAVINDER REDDY
Chairman, BOS
Department of Zoology
KAKATIYA UNIVERSITY, WGL-506 009 (T.S)

KAKATIYA UNIVERSITY
Under Graduate Courses (Under CBCS 2019 - 2022)
B.Sc. ZOOLOGY I Year
SEMESTER – I

ANIMAL DIVERSITY – INVERTEBRATES
(Core Paper –I)

Theory	4 Hours/Week	4 Credit	Internal marks = 20
Practical	3 Hours/Week	1 Credit	External Marks = 80

UNIT – I

1.1 Protozoa

- 1.1.1 General Characters and Classification of Protozoa up to Orders with examples
- 1.1.2 Type Study –*Elphidium*
- 1.1.3 Locomotion and Reproduction
- 1.1.4 Epidemiology of Protozoan diseases – Amoebiasis, Giardiasis, Leishmaniasis, Malaria

1.2 Porifera

- 1.2.1 General characters and Classification of Porifera up to Orders with examples
- 1.2.2 Type study - *Sycon*
- 1.2.3 Canal system in Sponges
- 1.2.4 Types of Cells and Spicules in Porifera.

UNIT – II

2.1 Cnidaria

- 2.1.1 General characters and Classification of Cnidaria up to classes with examples
- 2.1.2 Type study - *Obelia*
- 2.1.3 Polymorphism in Cnidarians with examples
- 2.1.4 Corals and Coral Reef formation

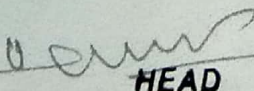
2.2 Helminthes

- 2.2.1 General characters and Classification of **Platyhelminthes** up to classes with examples
- 2.2.2 Type study - *Schistosoma*
- 2.2.3 General characters and Classification of **Nemathelminthes** up to classes with examples
- 2.2.4 Type study – *Dracanculus*; Parasitic Adaptations in Helminthes

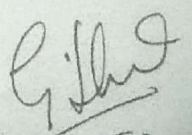
UNIT- III

3.1 Annelida

- 3.1.1 General characters and Classification of Annelida up to classes with examples
- 3.1.2 Type study – *Hirudinaria granulosa*
- 3.1.3 Evolutionary significance of Coelome and Coelomoducts and Metamerism
- 3.1.4 **Economic Importance of Annelida** (Polychaeta, Oligochaeta and Hirudinea)


HEAD
Department Of Zoology
University College
Kakatiya University,
WARANGAL.-506009(T.S)

7-K-011
Principal
Govt. Degree College
Luxettipet -504 215


Dr. G. SHAMITHA
Chairperson
Board of Studies
Department of Zoology & Sericulture Unit
KAKATIYA UNIVERSITY - WGL-506009 (T.S)