

## **E-CONTENT DEVELOPMENT - LIST OF YOUTUBE VIDEOS**

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PREPARED BY:

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### **AS PER B.Sc ZOOLOGY SYLLABUS - UNIVERSITY OF CALICUT (2019 ADMISSIONS)**

**VI<sup>th</sup> SEMESTER B.Sc ZOOLOGY CORE COURSE – IX**

**PAPER CODE: ZO L6B 10T – PHYSIOLOGY AND ENDOCRINOLOGY**

**SECTION A: PHYSIOLOGY:**

**MODULE 4 – OSMOREGULATION & EXCRETION**

1. WATER CONSERVATION IN DESERT FORMS

<https://youtu.be/iUgGJzPPbbg>

**MODULE 6 – NERVE PHYSIOLOGY**

1. NERVE IMPULSE TRANSMISSION MECHANISM

<https://youtu.be/t-3Y7kbpvEE>

**V<sup>th</sup> SEMESTER B.Sc ZOOLOGY CORE COURSE – V**

**PAPER CODE: ZO L5B06T – CELL BIOLOGY AND GENETICS**

**SECTION B: GENETICS – MODULE 9 – SEX DETERMINATION**

1. Environmental influence of sex determination – *Bonellia viridis*  
[https://youtu.be/xjQzF-K5\\_wk](https://youtu.be/xjQzF-K5_wk)
2. Hormonal influence of sex determination in Fowl – Sex reversal - Crew's Hen  
<https://youtu.be/1hsTdPI6Cbk>
3. Hormonal influence of sex determination in Cattle – Freemartin  
<https://youtu.be/cA6kF5PKBCE>
4. Sex mosaicism and Gynandromorphism  
<https://youtu.be/KKGq4CYXyWE>
5. Chromosomal mechanism of Sex determination [XX-XO,XX-XY,ZZ-ZW types]  
[https://youtu.be/l\\_G-8AqPP2k](https://youtu.be/l_G-8AqPP2k)

**PAPER CODE: ZO L5D 02T – NUTRITION, HEALTH AND HYGIENE (OPEN COURSE)**

**SECTION B: HEALTH & HYGIENE**

## MODULE 8 - FIRST AID MANAGEMENT IN EMERGENCY SITUATION

1. First Aid for Dog Bite  
[https://youtu.be/-dvmi\\_miK0M](https://youtu.be/-dvmi_miK0M)
2. First Aid for Insect (Bee & Wasp) Sting  
<https://youtu.be/s5xcV-1amb4>
3. First Aid for Scorpion Sting  
<https://youtu.be/iFDzXMgF4LQ>

## IV<sup>TH</sup> SEMESTER B.Sc ZOOLOGY COMPLEMENTARY COURSE IV

### PAPER CODE : ZOL4C04T – GENETICS AND IMMUNOLOGY

#### SECTION A: GENETICS – MODULE 2 – GENETIC CONTROL OF SEX

1. Environmental influence of sex determination – *Bonellia viridis*  
[https://youtu.be/xjQzF-K5\\_wk](https://youtu.be/xjQzF-K5_wk)
0. Hormonal influence of sex determination – Sex reversal - Crew's Hen  
<https://youtu.be/1hsTdPI6Cbk>
0. Hormonal influence of sex determination – Freemartin  
<https://youtu.be/cA6kF5PKBCE>
0. Sex mosaicism and Gynandromorphism  
<https://youtu.be/KKGq4CYXyWE>
0. Chromosomal mechanism of Sex determination [XX-XO,XX-XY,ZZ-ZW types]  
[https://youtu.be/l\\_G-8AqPP2k](https://youtu.be/l_G-8AqPP2k)

## III<sup>RD</sup> SEMESTER B.Sc ZOOLOGY COMPLEMENTARY COURSE III

### PAPER CODE: ZOL3C03T – PHYSIOLOGY AND ETHOLOGY

#### SECTION A: PHYSIOLOGY – MODULE 5 – OSMOREGULATION & EXCRETION

1. WATER RETENTION & CONSERVATION IN DESERT ANIMALS  
<https://youtu.be/iUgGjzPPbbg>

#### MODULE 7 – NERVE PHYSIOLOGY

1. NERVE IMPULSE TRANSMISSION MECHANISM  
<https://youtu.be/t-3Y7kbpvEE>

## II<sup>ND</sup> SEMESTER B.Sc ZOOLOGY CORE COURSE II

### PAPER CODE: ZOL2B02T – ANIMAL DIVERSITY: NON-CHORDATA PART - II

#### MODULE 3 – PHYLUM ARTHROPODA

1. TYPE: *Panaeus indicus* - NERVOUS SYSTEM  
<https://youtu.be/DDTzJAOFIWY>
2. TYPE: *Panaeus indicus* – RESPIRATORY SYSTEM  
<https://youtu.be/tiAKKmxAtzg>
3. TYPE: *Panaeus indicus* – SENSE ORGANS  
<https://youtu.be/M1DDDmg44r8>
4. TYPE: *Panaeus indicus* – EXCRETORY SYSTEM  
<https://youtu.be/M9XvE0AgXds>

5. TYPE: *Penaeus indicus* – BLOOD VASCULAR SYSTEM  
<https://youtu.be/mO7yVNlzGt4>
6. TYPE: *Penaeus indicus* – REPRODUCTIVE SYSTEM  
[https://youtu.be/ne\\_qutNwmno](https://youtu.be/ne_qutNwmno)

## II<sup>nd</sup> SEMESTER B.Sc ZOOLOGY COMPLEMENTARY COURSE II

PAPER CODE: ZOL2C02T – ECONOMIC ZOOLOGY

MODULE 1 – PARASITISM IN RELATION TO MAN

HUMAN PARASITES :

CESTODES – *Taenia solium*

<https://youtu.be/XEUdJR7-lu0>

CESTODES – *Taenia saginata*

<https://youtu.be/AYhXqGi4lFE>

CLASS CESTODA – *Echinococcus granulosus*

<https://youtu.be/eG0NaWRvLmY>

TREMATODES (FLUKES) – *Schistosoma haematobium*

<https://youtu.be/bVsin5CFiXY>

## I<sup>st</sup> SEMESTER B.Sc ZOOLOGY COMPLEMENTARY COURSE I

PAPER CODE: ZOL1C01T – ANIMAL DIVERSITY AND WILDLIFE CONSERVATION

SECTION B: ANIMAL DIVERSITY

MODULE 2 – ANIMAL DIVERSITY: NONCHORDATA - PART I

SUPERPHYLUM ASCHELMINTHES : PHYLUM NEMATODA

1. ASCARIS LUMBRICOIDES

<https://youtu.be/OUMaA-YPt5M>

PHYLUM ARTHROPODA - TYPE: *Penaeus indicus*

1. TYPE: *Penaeus indicus* - NERVOUS SYSTEM  
<https://youtu.be/DDTzJAOFIWY>
2. TYPE: *Penaeus indicus* – RESPIRATORY SYSTEM  
<https://youtu.be/tiAKKmxAtzg>
3. TYPE: *Penaeus indicus* – SENSE ORGANS  
<https://youtu.be/M1DDDmg44r8>
4. TYPE: *Penaeus indicus* – EXCRETORY SYSTEM  
<https://youtu.be/M9XvE0AgXds>

5. TYPE: *Penaeus indicus* – BLOOD VASCULAR SYSTEM  
<https://youtu.be/mO7yVNlzGt4>
6. TYPE: *Penaeus indicus* – REPRODUCTIVE SYSTEM  
[https://youtu.be/ne\\_qutNwmno](https://youtu.be/ne_qutNwmno)

**I<sup>ST</sup> SEMESTER B.Sc ZOOLOGY CORE COURSE I**

**PAPER CODE: ZOL1B01T – ANIMAL DIVERSITY – NON-CHORDATA - PART I**

**SECTION C: KINGDOM ANIMALIA**

**MODULE 8– ACOELOMATA**

**PHYLUM PLATYHELMINTHES**

**CLASS CESTODA – *Echinococcus granulosus***

<https://youtu.be/eG0NaWRvLmY>

**CLASS TREMATODA ( BLOOD FLUKE) – *Schistosoma haematobium***

<https://youtu.be/bVsin5CFiXY>

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