

# ZOOLOGY Core - XIV

Answer any Two of following :-

Q<sub>1</sub> Describe the Life cycle of *Leishmania - donovani*. Discuss about the Pathogenicity & Prophylaxis.

Q<sub>2</sub> Describe the Life-cycle of *Entamoeba - histolytica*

Q<sub>3</sub> Describe the Life cycle of *Wuchereria - bancrofti*. Discuss the Pathogenicity?

Q<sub>4</sub> Very short answer any Two :-

(a) Dengue

(b) HIV

(c) Elephantiasis

(d) cholera

Expt. No. ....

Page No. ....

Answer any Two of following

Q. Describe the Mechanism of DNA Replication in Prokaryotes ?

Q. Explain the Mechanism of DNA damage ?

Q. Discuss the difference between the Mechanism of the regulation of gene activity in lactose operon & Tryptophan operon in *E. coli*.

Q. Very short answer any Two :-

(a) Endonuclease

(b) DNA Damage

(c) Operon Concept

(d) Semi-Conservative replication

Core Internal Practical

Q study of cloned animals through photographs

Q Museum specimen of Male Ascaris

DSE Internal Practical

(a) Pugmark of Tiger (Male & female)

(b) ~~Faecal Analysis of~~

Name of Endangered Species of India

Expt. No. ....

Wild Life Conservation &amp; Management

Page No. ....

Answer any Two of following :-

Q<sub>1</sub>. Very short answer any Two —

(a) National Park

(b) use of Pugmark

(c) Faecal Analysis of ungulates

Q<sub>2</sub> What do you understand by Conservation of wild life? Discuss the importance of Conservation of wild life?

Q<sub>3</sub> Write an essay on Project Tiger. Discuss its objectives & benefits.

Q<sub>4</sub> Write ~~the~~ an essay on Wild life of India & its management?

Answer any Two of following

Q<sub>1</sub> Very short notes any Two :-

(a) Paddy Pest

(b) Pest of Sugar Cane

(c) Pheromones

Q<sub>2</sub> Define pest? Classification of Pest according to damage with Examples?

Q<sub>3</sub> Write different components of Integrated Pest Management

Q<sub>4</sub> Explain the damage ~~of~~ & Prevention any one of Paddy Pest