Rayat Shikshan Sanstha's
Prof.Dr.N.D.Patil Mahavidyalaya,Malkapur-Perid

Department of Zoology

Courses Outcomes: B.Sc.II Zoology

Sr. No.	Course	Course Outcomes
1	**B.Sc.II Zoology Paper: V** Animal Diversity □II	CO1: Classify phylum Chordata using examples. CO2 : Classify Phylum Urochordata, with taxonomic keys CO3: Describe the phylum Cephalochordata, and its classes and zoological names CO4 :Classify the sub-class Agnatha, CO5: Describe class Pisces and identifies given examples. CO6: Identify the characters of class Amphibia with its examples CO7: Write down the classification and characteristics of Phylum Urochordata. CO8 : Identify the given Pisces with respect to economic importance
2		CO1: Identify and classify the examples of Class Reptilia. CO2: Identify and classify the examples of Class Aves CO3: Identify and classify the examples of Class Mammals CO4: Identify and classify the snakes. CO5: Identify and classify the non poisonous snakes CO6: Identify and classify the poisonous snakes CO7: Explain Venom, antivenom production and its effects on human body. CO8 : Identify Snake bite explain first aid treatment
3		CO 1: Explain the Aerial adaptations in birds. CO 2: Explain the Migration in birds CO3: Explain the Dentition in mammals. CO 4: Explain the Salient features and affinities of monotremes and marsupials. CO 5: Differentiate monotremes and marsupials.

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1	**B.Sc.II Zoology Paper: VI** Biochemistry	CO 1: Explain the structure of DNA CO 2: Explain the biological significance of DNA CO3: Explain the structure of RNA CO 4: Explain the Types and Biological Significance of RNA.
2		CO 1: Explain the outline of Classification of Fatty Acids CO 2: Explain the types of Lipids CO 3: Explain the biosynthesis of Fatty Acids CO 4: Explain the process β-oxidation CO 5: Explain the Mechanism of Transportation of Acetyl CoA CO 6: Explain the Mechanism of Production of Acetyl CoA and NADPH
3		CO 1: Explain the outline of Classification of Amino acids CO 2: Explain the outline of Classification of Proteins CO 3: Explain the process of protein digestion in stomach and small intestine. CO 4: Explain the process Transamination CO 5: Explain the Mechanism of Deamination CO 6: Explain the Mechanism of Urea Cycle CO 6: Explain the regulation of Urea Cycle CO 6: Explain the functions of Urea Cycle
4		CO 1: Explain the outline of Classification of Enzymes. CO 2: Explain the Characteristics of enzymes. CO 3: Explain the Mechanism of enzyme action with suitable example. CO 4: Describe the Factors controlling enzyme action. CO 5: Explain the Mechanism of Isoenzymes, Co-factors and Co-enzymes
5		CO 1: Explain the outline of Classification of Enzymes. CO 2: Explain the Characteristics of enzymes. CO 3: Explain the structure of enzyme CO 4: Explain the Lock and Key mechanism of enzyme action. CO 5: Describe the Factors influencing enzyme activity CO 6: Explain the Mechanism of inhibition of enzyme action CO 7: Explain the Mechanism of Isoenzymes, Co-factors and Co-enzymes

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1	**B.Sc.II Zoology Paper: VII** Reproductive Biology	CO 1: Explain the Outline and histological structure of female reproductive system in rat and human CO 2: Explain the histological structure of Ovary CO3: Explain the process of folliculogenesis CO 4: Explain the process of ovulation. CO 5: Explain the process of corpus luteum formation and regression CO 6: Explain the mechanism of Steroidogenesis and secretion of ovarian hormones CO 7: Explain the Reproductive cycles in human and their regulation CO 8: Explain the changes in the female reproductive tract in menstruation CO 9: Explain the process of Ovum transport in the fallopian tubes; CO 10: Explain the process of Sperm transport in the female tract, fertilization CO 12: Explain the Hormonal control of embryo implantation CO 13: Explain the pregnancy diagnosis and hormonal regulation of gestation CO 14: Explain the Hormonal control of embryo implantation CO 15: Explain the Mechanism of parturition and its hormonal regulation CO 15: Explain the Mechanism Lactation and its regulation.
2		CO 1: Explain the histological structure of Testis CO 2: Explain the process Spermatogenesis CO 3: Explain the hormonal regulation in Spermatogenesis CO 4: Explain the Epididymal function and sperm maturation CO 5: Explain the Accessory glands functions CO 6: Explain the Mechanism of Sperm transportation in male tract CO 7: Differentiate male and female Sex hormones
3		CO 1: Explain the causes of infertility in male and female CO 2: Explain the Assisted Reproductive Technology CO 3: Explain about the sperm banks. CO 4: Explain the process frozen embryos CO 5: Explain the Mechanism of in vitro fertilization CO 6: Explain the Modern contraceptive technologies

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Sr. No.	Course	Course Outcomes
1	**B.Sc.II Zoology Paper: VIII** APPLIED ZOOLOGY-I	CO 1: Explain the definition of host CO 2: Explain the types of hosts. CO 3: Explain the concept of Definitive host CO 4: Explain the concept of Intermediate host CO5: Explain the Host-parasite Relationship CO 6: Explain the relationship Parasitism. CO 6: Explain the relationship Symbiosis CO 6: Explain the relationship Commensalism CO 6: Explain the concept of parasite reservoir for infection CO 6: Explain the concept Zoonosis
2		CO 1: Explain the concept of Epidemiology of Diseases CO 2: Explain the causes of Tuberculosis CO 3: Explain the process of transmission of Tuberculosis CO 4: Explain the preventive measures and treatment of Tuberculosis CO 5: Explain the causes of Typhoid. CO 6: Explain the process of transmission of Typhoid. CO 7: Explain the preventive measures and treatment of Typhoid.
3		CO 1: Explain the morphological characteristics of Rickettsia prowazekii CO 2: Explain the life cycle of Rickettsia prowazekii CO 3: Explain the process of transmission of Rickettsia prowazekii CO 4: Explain the causes of thyphus CO 5: Explain the preventive measures and treatment of epidemic thyphus fever CO 6: Explain the clinical manifestation of thyphus fever
4		CO 1: Explain the morphological characteristics of Borrelia recurrentis CO2: Explain the life cycle of Borrelia recurrentis CO 3: Explain the process of transmission of Borrelia recurrentis CO 4: Explain the causes of relapsing fever CO 5: Explain the preventive measures and treatment of relapsing fever CO 6: Explain the clinical manifestation of relapsing fever

5		CO 1: Explain the morphological characteristics of Treponema pallidum. CO 2: Explain the life cycle of Treponema pallidum CO 3: Explain the process of transmission of Treponema pallidum CO 4: Explain the causes of syphilis CO 5: Explain the preventive measures and treatment of syphilis CO 6: Explain the clinical manifestation of syphilis
6		CO 1: Explain the morphological characteristics of Helicoverpa armigera CO 2: Explain the life cycle of Helicoverpa armigera CO 3: Explain the damage caused to cotton crop by Helicoverpa armigera CO 4: Explain the biological control of Helicoverpa armigera CO 5: Explain the chemical control of Helicoverpa armigera
7		CO 1: Explain the morphological characteristics of Pyrilla perpusilla CO 2: Explain the life cycle of Pyrilla perpusilla CO3: Explain the damage caused to cotton crop by Pyrilla perpusilla CO 4: Explain the biological control of Pyrilla perpusilla CO 5: Explain the chemical control of Pyrilla perpusilla
8		CO 1: Explain the morphological characteristics of Papilio demoleus CO2: Explain the life cycle of Papilio demoleus CO3: Explain the damage caused to cotton crop by Papilio demoleus CO 4: Explain the biological control of Papilio demoleus CO 5: Explain the chemical control of Papilio demoleus CO 6: Explain the morphological characteristics of Papilio demoleus
9		CO 1: Explain the morphological characteristics of Callosobruchus chinensis CO2: Explain the life cycle of Callosobruchus chinensis CO3: Explain the damage caused to cotton crop by Callosobruchus chinensis CO 4: Explain the biological control of Callosobruchus chinensis CO 5: Explain the chemical control of Callosobruchus chinensis
10		CO 1: Explain the morphological characteristics of Sitophilus oryzae CO2: Explain the life cycle of Sitophilus oryzae CO3: Explain the damage caused to cotton crop by Sitophilus oryzae CO 4: Explain the biological control of Sitophilus oryzae CO 5: Explain the chemical control of Sitophilus oryzae
11		CO 1: Explain the morphological characteristics of Tribolium castaneum CO2: Explain the life cycle of Tribolium castaneum CO3: Explain the damage caused to cotton crop by Tribolium castaneum CO 4: Explain the biological control of Tribolium castaneum CO 5: Explain the chemical control of Tribolium castaneum
12		CO 1: Explain the concept of poultry farming CO2: Explain the Principles of poultry breeding CO3: Explain the process of Management of breeding stock and broilers CO 4: Describe types of poultry breeds CO 5: Explain the Processing and Preservation of eggs.