

INDIRA GANDHI GOVT COLLEGE PANDARIA, DISTT. KABIRDHAM

ANNUAL TEACHING PLAN (ACADEMIC SESSION 2023-24)

COURSE: UNDER GRADUATION.		SUBJECT : ZOOLOGY							
NAME OF TEACHER: 1. Madhuri Ratna Bhaskar 2. Sayam Kumar Dounde		TOPIC DESCRIPTION			Expected class	Tutorial / Remedial	Co-curricular	Extra curricular	Teaching Aids
EXPECTE D MONTH	PAPER AND UNIT	B.Sc. I	B.Sc. II	B.Sc. III					
July	B.Sc.1st P1 P2 UNIT 1,2 B.Sc.2nd P1 UNIT - 1, P2 UNIT - 4 B.Sc.- 3rd P1 UNIT - 1 , P2 UNIT - 1	Taxonomy - basic knowledge ICZN, Animal Kingdom classification of Parker and Haswell , Prokaryotic and Eukaryotic cells- all organelles	Integumentary system, Alimentary canal, Digestive system, & Endocrine gland, biosynthesis and secretions and Endoskeleton	Aim and scope of Ecology, major Ecosystem , Population , community population, Air & water pollution, geochemical cycle , Genetics , Linkage, Sex Determination Mutation, Law of limiting factor, food chain food web, energy flow, EIA, Conservation of Natural resources, General idea about pH, Transport across cell membrane, Active transport, enzyme	55+56			plantati on	Chalk, Board & Duster
August	B.Sc.1st P1 P2 UNIT 1,2 B.Sc.2nd P1 UNIT - 1,2 P2 UNIT - 1 B.Sc. 3rd P1 UNIT - 1,2, P2 UNIT - 1,2	Protozoa - phylum , character, structure, life cycle, pathogenicity. Porifera - phylum, character , classification, example sycon types study Cell membrane & transport system	circulatory system, Urinogenital system Respiratory system parturition, lactation. Organic evolution	Law of limiting factor, food chain food web, energy flow, EIA, Conservation of Natural resources, General idea about pH, Transport across cell membrane, Active transport, enzyme	56+59		Independac e Day	Cleanin ess progra m	Chalk, Board & Duster
September	B.Sc.1st P1 P2 UNIT - 2,3 B.Sc.2nd P1 UNIT - 1,2 P2 UNIT - 1 B.Sc. 3rdB.Sc. P1 UNIT - 1 P2 UNIT - 4	Coelenterata -types study of Obelia, Platyhelminthes- study of liver fluke, Cell Cycle, cell signaling & cell culturing, cell regulation & cell signaling, cell culture.	Nervous system, Eye- Ear, Gonads Mutation, Variation, Isolation, evolution of horse	basic concepts of toxicology, classification, havey metal toxicity. microscope, pH meter, colorimeter, centrifuge	55+58		Ozone day, nation hinhi divas		Chalk, Board & Duster
October	B.Sc.1st P1 UNIT - 2 P2 UNIT - 3 B.Sc.2nd P1 UNIT - 3,4, P2 UNIT - 4 B.Sc.3rd P1 UNIT-3 , UNIT-5	Nemathelminthes- phylum, character , classification, example pathogenic nematode, Annelida- types study of earthworm ,Arthropoda - types study of prawn & Insect vector of human. Structure & functional significance of animal tissue.	Digestion , Physiology of heart, Behaviour concept & pattern	animal poison, food poisoning , chromatography, electrophoresis	58+58		gandhi jayanti		Chalk, Board & Duster



November	B.Sc.1st P1 P2 UNIT-4 UNIT 3,4 B.Sc.2nd P1 UNIT - 4, P2 UNIT - 4 B.Sc.- 3rd P1 UNIT-4 P2 UNIT-3	Mollusca- types study of Pila, Echinodermata- types study of starfish, Injunctant- fish to mammals, derivative and their functional significance.	Blood, ECG, cardiac cycle Drugs and behaviour, hormone and behaviour	general & applied microbiology sewage water, domestic water, milk products , amino acid, carbohydrates metabolism	56+60	Constitution day, Chhatishga rajbhasha divas		Chalk, Board & Dustar
December	B.Sc.1st P1 UNIT-4 P2 UNIT 4 B.Sc.2nd P1 UNIT - 1, P2 UNIT - 5 B.Sc.- 3rd P1 UNIT-4 P2	Hemichordata- types study of balanoglossus, skeleton system & digestive system	Respiration, Excretion Aquaculture , sericulture	Industrial microbiology, lipid metabolism & protein catabolism	55+60	National youth day	Human right day	Chalk, Board & Dustar
January	B.Sc.1st P1 P2 UNIT 4 B.Sc.2nd P1 UNIT - 1, P2 UNIT - 4 B.Sc.- 3rd P1 UNIT- 5 P2 UNIT-4	Classification of chordata- urochordata, cephalochordata & vertebrata Circulatory system , Respiritory system, Excretory system	Apiculture, Pisciculture osmoregulation, muscle contraction	Pathogenic microbes Pathogenic protozoa, Helminthes, Application of Biotechnology, Gene cloning, rDNA	60+58	Republic day		Chalk, Board & Dustar
February	B.Sc.1st P1 P2 UNIT 5 B.Sc.2nd P1 UNIT - 1, P2 UNIT - 4 B.Sc.- 3rd P1 UNIT- 5 P2 UNIT-5	Comparative anatomy & Physiology of Non- chordates, Reproductive & Endocrine system	Poultry keeping, Pest control Nerve impulse	nematodes disease & vector insects , cloned gene and other tool of biotechnology	50+52	National science day		Chalk, Board & Dustar

Note: (1) Practical class will be organised according to time table. (BATCH - A & B)

(2) Remedial and Tutorial class will be organised according to time table

(3) Presentation/ Seminar/ Group discussion also take according as per plan.

Co-curricular activities and Extra curricular activities are also organised as per plan.


