Number of Lectures (25)	Biology 2nd Paper (Zoology) Table of Contents
	Chapter-1 : Animal Diversity and Classification
Lecture-1	Animal Diversity with components, classification, Nomenclature, and Taxonomic Terminology. Discussion on S/Q and MCQs. Model CQ, Procedure of Writing the answer and CQ Practice.
Lecture-2	Basis of classification, characteristics of Acoelomate phyla (Porifera to Platyhelminthes). S/Q and MCQ discussion on Lecture- 1and 2
Lecture-3	Pseudo coelomate to Eucoelomate Invertebrate Phyla. SQ, MCQ and CQ on Lecture-1,2 and 3
Lecture-4	Chordata, subphylum of chordata and Division of veretebrata. SQ and MCQ on lecture-4
Lecture-5	Characteristics of classes of Gnathostomata. SQ, CQ and MCQ Practice.
	Chapter two- Introduction to Animal (Hydra)
Lecture-1	External morphology, structure of Cnidoblast Cell, Mechanism of throwing Nematocyst, Types of Nematocyst. Ecto and Endodermal Cells, Division labor, Food,Feeding&Digestion. MCQ, SQ and Model CQ Practice.
Lecture-2	Locomotion and Reproduction in hydra. SQ, MCQ and CQ Practice.
	Chapter two- Introduction to Animal (Grasshopper)
Lecture-1	External morphology, mouth parts, Legs, Male and Female differences, Digestive System, Excretory system and Physiology of Excretion. Circulatory System, circulation process. MCQ, SQ and Model CQ Practice.

Lecture-2	Tracheal System, structure of Ommatidium, Vision Mechanism, Metamorphosis, Hormonal control of Metamorphosis. MCQ, CQ, SQ Practice
	Chapter two- Introduction to Animal (Rui fish)
Lecture-1	Structure of Rui fish, Strucutre of Scale, Swim bladder, structure of gills Reproduction, Nalural conservation. MCQ, CQ & SQ Practice
Lecture-2	Mechanism of Respiration, Structure of Heart, Circulation process. Full Rivision, MCQ, CQ and SQ Practice.
	Chapter-3: Human Physiology (Digestion and Absorption)
Lecture-1	Digestive system, structurce of Tongue, Dental formula, structure of liver and Pancreas. SQ, CQ and MCQ Practice.
Lecture-2	Digestive enzymes, Digestion Process in Mouth, Stomach. Small intestine and large intestine. CQ, SQ and MCQ Practice.
Lecture-3	Hormonal control, functions of liver. Obesity and Summery of chapter-3.
Lecture-4	Brief discussion on Blood, components of Blood, functions of Blood, Coagulation Process, Structure of Heart. SQ, CQ and MCQ Practice.
Lecture-5	Circulation process, Cardiac Cycle, Myogenic Control Full MCQ and CQ Practice on Lecture –1 and Lecture-2.
Lecture-6	Cardiac diseases and Treatment Full MCQ and CQ Practice and Summery of the Chapter-4.
	Chapter-5: (Breathing and Respiration)
Lecture-1	Respiratory system, Structure of Lung and Alveolus, Chemical Process of Respiration, X-ray comparison of Smoker's and Non Smoker's lung. SQ and MCQ Practice.
Lecture-2	Physical mechanism of Breathing, Nervous control of Respiration and Respiratory diseases, . CQ and MCQ Practice with summery of the chapter.
	Chapter-7 (Locomotion and movement)
Lecture-1	Human Skeleton (Vertebrae in Different Regions) , Typical structure of vertebrae, Strucuture and differences of Humerus and

	femur, Bones, Cartilage and it's types. SQ, CQ and MCQ Practice.
Lecture-2	Haveresian System, Structure of muscle, Classification of lever. Functions of muscle full Rivision. MCQ, CQ, SQ Practice.
	Chapter-11 (Genetics and Evolution)
Lecture-1	Lecture-1: Termindogy, 1st and 2nd law With SQ Practice.
Lecture-2	Lecture-2: Deviation's of first law and x-linked Inheritance. CQ Practice
Lecture-3	Lecture-3: Deviations of 2nd law, Polygenic inheritance. Full CQ, MCQ Practice.
Lecture-4	Evolutionary theories and Evidence (Lamarkism, Darwinism, Neo-Darwinism and Morphological, Embryological, Paleontological evidence) Full MCQ Prctice