

COMMECS COLLEGE

Subject: Zoology (Biology)
Section: Pre-Medical

HOD: Sana Noman
Teachers: Faiza Iodhi

Macro Plan (2025-2026)
Class: XI

Unit No.	Start Date	End Date	Number Of Periods	Topic/Chapter	Contents	Objectives By the end of the unit S.W.A.T.:
1	Aug, 01, 2025	Aug 13 2025	04	Foundation course Introduction of Biology	1-Biology & its major fields 2-Levels of biological organization, Biological Methods 3-Applications of Biology for Mankind, Key Points & Exercise	1. Comprehend major fields of Biology 2. Make out the applications of biological method 3. Do exercises to understand all given aspects of key points of this chapter
2	Aug 18, 2025	Sep 13, 2025	10	Chapter # 02 Biological molecules	1-Introduction of Biochemistry 2-Chemical Composition of Cell 3-Water & Carbon, Proteins 4-Carbohydrates, Lipids, Nucleic Acids 5-Conjugated Molecules & Key Points, Exercise	1-Understand the chemical composition of cell 2-Define DNA & RNA Comprehensively 3- Understand and relate other biological molecules.
3	Sep 14, 2025	Sep 27, 2025	05	Chapter # 03 Enzymes	1-Energy of Activation 2- Characteristics of Enzymes. 3-Types & Classification of Enzyme 4-Factors Affecting Enzyme Activity 5-Fed-Back Inhibition, Key Points 6-Exercise	1-Make out the functions of enzymes. 2-Discuss the factors affecting enzyme activity. 3- structure of enzymes

4	Sep 29, 2025	Oct 31, 2024	12	Chapter # 11 Holozoic Nutrition	1-Holozoic nutrition in Amoeba and Planaria 2-Human digestive system 3- GIT disorders	1-Describe the process of nutrition 2-Understand different function of digestive organ 3-Point out all functions of digestion and related digestive disorders.
6	Nov 1, 2024	Nov 30, 2024	10	Chapter# 10 Kingdom Animalia	1-Diversity and Complexity 2- Animal Classification 3--Development patterns with cellular Organization. 4-Phylum Porifera 5-Phylum Coelenterons. 6-Phylum Platyhelminthes & Nemetyhelminthes 7-Phylum Annelida 8-Phylum Mollusca 9-Phylum Arthropoda 10-Phylum Echinodermata 11-Phylum Chordata with salient features. 12-Class Chonrichthyes & Class Oestichthyes. 13-Class Amphibia & Class Reptilia. 14-Class Aves with Flight Adaptation 15-Class Mammalia 16-The summary of characteristics of major Animal Phyla. 17-Key Points & Exercise.	1-Define the development patterns of cellular organisms. 2-Explain the modification from evolutionary point of view. 3-Study the characteristics of invertebrates' phylum. 4-Describe all the characters of invertebrates. 5-Study the main features of Chordates related to embryonic condition to adolescence 6-Define how these characters were evolved from simple to complexity. 7-Elobrate the flight adaptations in Class Aves. 8-Comprehend the main characters of all subclasses of Class Mammalia. 9-Differentiate b/w the hibernation and aestivation.

	Dec 01, 2025	Dec 19, 2025		Mid-term examination		
		Total	41	Classes conducted: 61.65 %		
	Dec 22, 2025	Dec 31, 2025		Winter Vacations		
				Classes conducted: 61.65 % Total teaching days Bot + Zoo=41 + 41=82		
7	1 Jan, 2026	Jan 26, 2026	07	Chapter # 14 Circulation	1- Gaseous Exchange in animals 2- Respiratory system in different animals 3- Respiratory system in Man 4-Mechanism of breathing in Man 5-Transport of Gases in man, Key points & Exercise	1-define respiratory system of human 2- define breathing system of human 3-describe transport of gaseous of human
9.	Jan 27, 2026	Feb 20, 2026	07	Chapter # 13 Immunity	1. Immunity 2. First line of defense 3. Second line of defense 4. Third line of defense	1. To understand about immunity 2. Role of immunity in humans 3. Different types of immune systems present in human body 4. Importance of immunity
	Feb 23, 2026	Mar 10, 2026	07	Chapter # 14 Gaseous exchange	1- Gaseous Exchange in animals 2- Respiratory system in different animals 3- Respiratory system in Man 4-Mechanism of breathing in Man 5-Transport of Gases in man, Key points & Exercise	1-define respiratory system of human 2- define breathing system of human 3-describe transport of gaseous of human
	Mar 11, 2026	Mar 20, 2026	02	Chapter # 07 Protoctista		1-Intoduction to unicellular organisms

						2-Animal like Protista 3-Key Points & Exercise
	Mar 3, 2025	Mar 7, 2025	02	Revision		
		Total	25	Classes conducted: 100 % Total teaching days Bot + Zoo=82 + 26 +25=133		
	Mar 23, 2026	Apr 06, 2026		Preliminary examination session end		

Checked by HoD Biology
Sana Noman