

Pakistan School System- Oman
Syllabus / SLOs Coverage plan (2022-23)

Grade:	XI			Subject:	Biology				
Week	# of Working days	From--TO	Chapter	Dates	Topics	%	Review		
#		August - 2022.	1 CELL STRUCTURE AND FUNCTION		1 CELL STRUCTURE AND FUNCTION				
1	2	10 to 11		.August-7	Ashoorra -Holiday				
				.August-8					
				.August-9					
				.August-10				1.1 Techniques used in Cell Biology	2%
				.August-11	1.2 Cell Wall and Plasma Membrane – The Boundary Wall				
Week	# of Working days	From--TO	Chapter	Dates	Topics	%	Review		
#		August - 2022.			1 CELL STRUCTURE AND FUNCTION				
2	4	14 to 18	1 CELL STRUCTURE AND FUNCTION	.August-14	Independence day - Holiday				
				.August-15	1.3 Cytoplasm and Organelles			6%	
				.August-16	1.3 Cytoplasm and Organelles				
				.August-17	1.3 Cytoplasm and Organelles				
				.August-18	1.3 Cytoplasm and Organelles				
Week	# of Working days	From--TO	Chapter	Dates	Topics	%	Review		
#		August - 2022.			2 BIOLOGICAL MOLECULES				
3	5	21 to 25	2 BIOLOGICAL MOLECULES	.August-21	1.4 Prokaryotic and Eukaryotic Cells	10%			
				.August-22	2.1 Biological Molecules in Protoplasm				
				.August-23	2.2 Importance of Water (Importance in Protoplasm and in Environment)				
				.August-24	2.3 Carbohydrates				
				.August-25	2.3.1 Classification (Monosaccharides, Disaccharides and Polysaccharides)				
Week	# of Working days	From--TO	Chapter	Dates	Topics	%	Review		

#	Aug/ Sep - 2022.						
4	5	28 to 1	2 BIOLOGICAL MOLECULES	.August-28	2.3.1 Classification (Monosaccharides, Disaccharides and Polysaccharides)	14%	
		.August-29		2.3.1 Classification (Monosaccharides, Disaccharides and Polysaccharides)			
		.August-30		2.3.1 Classification (Monosaccharides, Disaccharides and Polysaccharides)			
		.August-31		2.3.2 Role of Carbohydrates			
		.Sept:1		2.4 Proteins			
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		Sept: - 2022.					
5	5	4 to 8	2 BIOLOGICAL MOLECULES	.Sept:-4	2.4.1 Structure of Proteins (Amino Acids and Peptide Linkages)	18%	
		.Sept:-5		2.4.2 Classification of Proteins (Globular and Fibrous Proteins)			
		.Sept:-6		2.4.3 Role of Proteins			
		.Sept:-7		2.5 Lipids			
		.Sept:-8		2.5.1 Classification (Acylglycerols, Phospholipids, Waxes and Terpenes)			
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		Sept: - 2022.					
6	5	11 to 15	2 BIOLOGICAL MOLECULES	Sept:- 11	2.5.1 Classification (Acylglycerols, Phospholipids, Waxes and Terpenes)	23%	
		Sept:- 12		2.5.1 Classification (Acylglycerols, Phospholipids, Waxes and Terpenes)			
		Sept:- 13		2.5.2 Role of Lipids			
		Sept:- 14		2.6 Nucleic Acids			
		Sept:- 15		2.6.1 Structure of Nucleic Acids (Nucleotides and Phosphodiester Linkage)			

Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		Sept: - 2022.					
7	5	18 to 22	2 BIOLOGICAL MOLECULES	.Sept: 18	2.6.1 Structure of Nucleic Acids (Nucleotides and Phosphodiester Linkage)	27%	
		.Sept: 19		2.6.1 Structure of Nucleic Acids (Nucleotides and Phosphodiester Linkage)			
		.Sept: 20		2.6.2 Classification (RNA and DNA)			
		.Sept: 21		2.6.3 Role of Nucleic Acids and nucleotides (DNA, RNA, ATP and NAD)			
		.Sept: 22		2.7 Conjugated Molecules (Glycolipids, Glycoproteins, Lipoproteins and Nucleoproteins)			
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		Sept: - 2022.					
8	5	25 to 29	3 ENZYMES	.Sept: 25	3.1 Structure of Enzymes	32%	
		.Sept: 26		3.2 Mechanism of Enzyme Action			
		.Sept: 27		3.3 Factors affecting the Rate of Enzymatic Action (Temperature, pH, Enzyme			
		.Sept: 28		Concentration and Substrate Concentration)			
		.Sept: 29		3.4 Enzyme Inhibition (Competitive and Noncompetitive Inhibitors)			
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		October-2022.					
9	5	2 to 6	4 BIOENERGETICS	.Oct: - 2	3.5 Classification of Enzymes	36%	
		.Oct: - 3		4.1 Photosynthesis			
		.Oct: - 4		4.1.1 Role of Light			
		.Oct: - 5		4.1.3 Role of Photosynthetic Pigments – Absorption Spectrum and Action Spectrum			
		.Oct: - 6		4.1.3 Role of Carbon dioxide			

Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		October-2022.					
10	5	9 to 13	4 BIOENERGETICS	.Oct: - 9	4.1.4 Role of Water	40%	
		.Oct: - 10		4.1.5 Mechanism of Photosynthesis			
		.Oct: - 11		4.1.5 Mechanism of Photosynthesis			
		.Oct: - 12		4.1.5 Mechanism of Photosynthesis			
		.Oct: - 13		4.2 Cellular Respiration			
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		October-2022.					
11	5	16 to 20	4 BIOENERGETICS	.Oct: - 16	4.2.1 Aerobic and Anaerobic respiration	44%	
		.Oct: - 17		4.2.2 Mechanism of Respiration			
		.Oct: - 18		4.2.3 Synthesis of ATP – Chemiosmosis and Substrate-level Phosphorylation			
		.Oct: - 19		4.3 Photorespiration			
		.Oct: - 20		4.3 Photorespiration			
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		October-2022.					
12	5	23 to 27	5 ACELLULAR LIFE	.Oct: - 23	5.1 Viruses - Discovery and Structure	48%	
		.Oct: - 24		5.2 Parasitic Nature of Viruses			
		.Oct: - 25		5.3 Life Cycle of Bacteriophage			
		.Oct: - 26		5.4 Life Cycle of HIV			
		.Oct: - 27		5.5 Viral Diseases (Hepatitis, Herpes, Polio and Leaf curl virus disease of cotton)			

Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		Oct/ Nov- 2022.					
13	5	30 to 3		.Oct:- 30	5.6 Prions and Viroid's (Structure and examples of Diseases caused by them)	52%	
6 PROKARYOTES				.Oct:- 31	6.1 Taxonomy of Prokaryotes		
				.Nov:- 1	6.2 Archaea		
				.Nov:- 2	6.3 Bacteria; Ecology and Diversity		
				.Nov:- 3	6.4 Structure; Shape and Size of Bacteria		
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		Nov:- 2022.					
14	5	6 to 10	6 PROKARYOTES	.Nov- 6	6.5 Modes of Nutrition in Bacteria	55%	
				.Nov- 7	6.6 Growth and Reproduction in Bacteria		
				.Nov- 8	6.7 Importance of Bacteria (Beneficial and Harmful bacteria)		
				.Nov- 9	6.8 The Bacterial Flora of Humans		
				.Nov- 10	6.9 Control of Harmful Bacteria		
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		Nov:- 2022.					
15	5	13 to 17	7 PROTISTS AND FUNGI	.Nov: -13	7.1 Protists – The Evolutionary Relationships	60%	
				.Nov: -14	7.2 Major groups of Protists (protozoa, algae, myxomycota, oomycota)		
				.Nov: -15	7.3 General characteristics of Fungi		
				.Nov: -16	7.4 Diversity among Fungi (zygomycota, ascomycota, basidiomycota)		
				.Nov: -17	7.5 Importance of Fungi		

Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		Nov:- 2022.					
16	5	20 to 24	8 DIVERSITY AMONG PLANTS	.Nov:- 20	8.1 The Evolutionary Origin of Plants	65%	
				.Nov:- 21	8.2 Nonvascular Plants (General characteristics)		
				.Nov:- 22	8.3 Seedless Vascular Plants (General characteristics)		
				.Nov:- 23	8.3.1 Evolution of Leaf		
				.Nov:- 24	8.4 Seed Plants		
Sendup Examination - From November 29, 2022 to December 15, 2022							
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#	Nov / Dec:- 2022.						
17	Nil	27 to 1		.Nov:- 27	Oman National Day- Holidays		
				.Nov:- 28			
Sendup Examination - From November 29, 2022 to December 15, 2022							
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		Dec: - 2022.					
18	5	18 to 22	9 DIVERSITY AMONG ANIMALS	.Dec: -18	8.4.1 Evolution of Seed	70%	
				.Dec: -19	8.4.2 Gymnosperms (General characteristics)		
				.Dec: -20	8.4.3 Angiosperms (General characteristics and Life cycle)		
				.Dec: -21	9.1 Characteristics of animals		
				.Dec: -22	9.2 Criteria for animal classification		
Winter Vacation from December 22 to January 5, 2023							
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		January- 2023.					
19	5	8 to 12	9 DIVERSITY AMONG ANIMALS	.Jan:- 8	9.3 Diversity in Animals	75%	
				.Jan:- 9	9.3.1 Invertebrates		
				.Jan:- 10	9.3.2 Vertebrates		
				.Jan:- 11	9.3.2 Vertebrates		
				.Jan:- 12	9.3.2 Vertebrates		

Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		January- 2023.					
20	5	15 to 19	10 FORM AND FUNCTIONS IN PLANTS	.Jan:- 15	10.1 Nutrition in Plants	80%	
		.Jan:- 16		10.2 Gaseous Exchange in Plants			
		.Jan:- 17		10.3 Transport in Plants			
		.Jan:- 18		10.3.1 Uptake of Water by Roots and Pathways			
		.Jan:- 19		10.3.2 Ascent of Sap			
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		January- 2023.					
21	5	15 to 19	10 FORM AND FUNCTIONS IN PLANTS	.Jan:- 22	10.3.3 Opening and Closing of Stomata	85%	
		.Jan:- 23		10.3.4 Translocation of Organic Matter			
		.Jan:- 24		10.4 Homeostasis in Plants (Osmotic adjustments and Thermoregulation in Plants)			
		.Jan:- 25		10.5 Support in Plants (Support in Herbaceous and Woody Plants)			
		.Jan:- 26		10.6 Growth and Development in Plants			
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		Jan/ Feb- 2023.					
22	5	29 to 02	10 FORM AND FUNCTIONS IN PLANTS	.Jan:- 29	10.6.1 Tissues for Growth – Apical and Lateral Meristems	90%	
		.Jan:- 30		10.6.2 Primary and Secondary Growth.10.7 Growth Responses in Plants			
		.Jan:- 31		10.7.1 Plant Growth Regulators (PRGs). 10.7.2 Geotropism and Phototropism			
		.Feb:- 1		10.7.3 Photoperiodism. 10.7.4 Vernalization			
		11 DIGESTION	.Feb:- 2	11.1 Digestive System of Man			

Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#	Feb/ Mar: - 2023.						
26	5	26 to 2	13 IMMUNITY	.Feb:- 26	13.2 Second Line of Defense – The Nonspecific Defenses	100%	
				.Feb:- 27	13.2.2 Killing Cells of Blood. 13.2.3 Protective Proteins13.2.4 Inflammatory Response		
				.Feb:- 28	13.2.5 Temperature Response. 13.3 Third Line of Defense – The Specific Defenses		
				.March:- 1	13.3.1 Inborn and Acquired immunity. 13.3.2 Cell mediated and Antibody mediated immunity		
				.March:- 2	13.3.3 Disorders of Immune system (Allergies, Autoimmune Diseases, Transplant Rejections)		
Completion of Syllabus							
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		March: - 2023.					
27	5	5 to 9		.March: - 5	Revision / Test Series		
				.March: - 6	Revision / Test Series		
				.March: - 7	Revision / Test Series		
				.March: - 8	Revision / Test Series		
				.March: - 9	Revision / Test Series		
Completion of Syllabus							
Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review
#		March: - 2023.					
28	5	12 to 16		.March: - 12	Revision / Test Series		
				.March: - 13	Revision / Test Series		
				.March: - 14	Revision / Test Series		
				.March: - 15	Revision / Test Series		
				.March: - 16	Revision / Test Series		
Completion of Syllabus							

Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review	
#		March: - 2023.						
29	4	19 to 23		.March: - 19	Revision / Test Series			
				.March: - 20	Revision / Test Series			
				.March: - 21	Revision / Test Series			
				.March: - 22	Revision / Test Series			
				.March: - 23	Pakistan Day- Holiday			

Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review	
#		March: - 2023.						
30	5	26 to 30		.March: - 26	Revision / Test Series			
				.March: - 27	Revision / Test Series			
				.March: - 28	Revision / Test Series			
				.March: - 29	Revision / Test Series			
				.March: - 30	Revision / Test Series			

Week	# of Working days	From--T0	Chapter	Dates	Topics	%	Review	
#		April- 2023.						
31	5	2 to 6		.April:- 2	Revision / Test Series			
				.April:- 3	Revision / Test Series			
				.April:- 4	Revision / Test Series			
				.April:- 5	Revision / Test Series			
				.April:- 6	Revision / Test Series			