

Lesson Plan
Mehr Chand Mahajan MCM DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans- Odd Semester (Semester-III)
Session – 2018-19

Department- Zoology
Name of the Teacher- Ms. Kadambari Pathania

Class- B.Sc. II (Medical)
Section - A (Single section)
Subject- Zoology

PAPER II: BIOCHEMISTRY AND PHYSIOLOGY-I (ZOO 302)

Month	Date		Topics to be Covered	Academic Activity Undertaken
	From	To		
July	23.07.2019	31.07.2019	Biochemistry and its scope Carbohydrates, proteins: classifications and functions.	Lecture method, PPT
August	01.08.2019	31.08.2019	Lipids and nucleic acids: their classifications and functions. Carbohydrate metabolism: The Embden Meyerhoff, Parnas pathway (glycolysis), the tricarboxylic acid cycle, the hexose monophosphate shunt, glycogenesis and glycogenolysis. Enzymes: Nature, nomenclature, mode of action, their classification, coenzymes and cofactors.	Lecture method, PPT, Online videos
Departmental Meeting on 03.09.19 to coordinate and review the monthly completion of syllabus as per lesson plans				
September	01.09.2019	30.09.2019	Digestion: Digestion of dietary constituents, regulation of digestive processes and absorption. extra and intra cellular digestion, enzymatic digestion and symbiotic digestion. Blood: Composition and functions of blood and lymph. Function of hemoglobin, blood clotting. Blood groups including Rh. Factor.	Lecture method, PPT, Online videos
Departmental Meeting on 05.10.19 to coordinate and review the monthly completion of syllabus as per lesson plans				
October	01.10.2019	31.10.2019	Respiration: Exchange and transport of respiratory gases, Oxygen dissociation curve of haemoglobin, Bohr effect, chloride shift, Haldane effect and control of breathing. MST	Lecture method, PPT, Online videos, Group Discussion
Departmental Meeting on 01.11.19 to coordinate and review the monthly completion of syllabus as per lesson plans				
November	01.11.2019	30.11.19	Heart: Origin and regulation of heart beat, cardiac cycle, electrocardiogram, cardiac output, blood pressure and micro-circulation. Revision & Class test	Lecture method, PPT, Online videos
Departmental Meeting on 30.11.19 to coordinate and review the monthly completion of syllabus as per lesson plans				

Lesson Plan
Mehr Chand Mahajan DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans- Even Semester (Semester-IV)
Session – 2018-19

Department- Zoology
Name of the Teacher- Ms. Kadambari Pathania

Class- B.Sc. II (Medical)
Section - A (Single section)
Subject- Zoology

PAPER II: BIOCHEMISTRY AND PHYSIOLOGY-II (ZOO- 402)

Month	Date		Topics to be Covered	Academic Activity Undertaken
	From	To		
January	09.01.2020	31.01.2020	Lipid metabolism: B-oxidation of fatty acids, fate of glycerol and gluconeogenesis, interaction of carbohydrates and lipids, lipogenesis in tissues, ketosis. Class test	Lecture method, PPT, Videos, Group Discussion, oral tests
Departmental Meeting on 01.02.20 to coordinate and review the monthly completion of syllabus as per lesson plans				
February	01.02.2020	29.02.2020	Protein metabolism: Metabolism of amino acids (Oxidative deamination, transamination and decarboxylation), hydrolysis of proteins and Ornithine cycle). Excretion: Structure and types of nephron, urine formation, osmoregulation and counter current mechanism, composition of urine. Class test	Lecture method, PPT, Videos, Group Discussion, oral tests Lecture method, PPT, Videos, Group Discussion, assignments
Departmental Meeting on 05.03.20 to coordinate and review the monthly completion of syllabus as per lesson plans				
March	01.03.2020	31.03.2020	Muscles: Ultrastructure, chemical and physiological basis of skeletal muscle contraction. Endocrine System: Structure, hormones and functions of adrenal, hypothalamus, pituitary, pancreas, gonads Endocrine System: Structure, hormones and functions of thyroid, parathyroid, pineal, thymus, hormones of alimentary canal and kidney. MCQ Class test on Endocrine system MST	Lecture method, PPT, Videos, Group Discussion, oral tests, assignments Lecture method, PPT, Videos, Group Discussion
Departmental Meeting on 02.04.20 to coordinate and review the monthly completion of syllabus as per lesson plans				
April	01.04.2020	18.04.2020	Neural Integration: Structure of neuron, resting membrane potential, origin and propagation of impulse along the axon, synapse	Lecture method, PPT, Videos, Group Discussion

			and myoneural junction. Revision and Class test Evaluation of Assignments	
Departmental Meeting on 20.04.20 to coordinate and review the monthly completion of syllabus as per lesson plans				