

First B.V.Sc 2018/2019 Batch
ANATOMY & PHYSIOLOGY (VS1101) LECTURE SCHEDULE

Semester-1

Date	Topic	Time
17.02.2020	The cell, its origins and characteristic features of prokaryotic cells	09.00-10.00 AJ
	Membrane structure and transport	10.00-11.00 AJ
18.02.2020	Cellular organelles - structure and function	08.00-09.00 AJ
	Cellular communication	09.00-10.00 AJ
20.02.2020	Cell division and cell cycle	09.00-10.00 DMSM
24.02.2020	Fluid compartments and homeostasis	09.00-11.00 SL
25.02.2020	Introduction to basic tissues of the body, components of connective tissue	08.00-09.00 DMSM
	Connective tissue fibres, cells and their functions	09.00-10.00 DMSM
27.02.2020	Epithelia - classification; types of epithelia	09.00-10.00 DMSM
02.03.2020	Glands	09.00-10.00 DMSM
	Junctional complexes	10.00-11.00 DMSM
03.03.2020	Organisation of the nervous system	08.00-09.00 DMSM
	Basic features and types of neurons, neuroglia, ganglia, peripheral nerves	09.00-10.00 DMSM
04.03.2020	Membrane potential, resting membrane potential, action potentials and their propagation	08.00-09.00 BR
05.03.2020	Summation of membrane potentials	09.00-10.00 BR
10.03.2020	Neurotransmitters and Modulators, Reflex Arc	08.00-09.00 BR
	Autonomic nervous system	09.00-10.00 BR
11.03.2020	Muscle types and functional structure	08.00-09.00 DMSM
12.03.2020	Molecular and microscopic structure of skeletal muscle	09.00-10.00 DMSM
16.03.2020	Neuromuscular junction	09.00-10.00 BR
	Muscular contraction – excitation, relaxation and control	10.00-11.00 BR
17.03.2020	Mechanical properties of muscle	08.00-09.00 BR
	Smooth muscle - histology, contraction and its control	09.00-10.00 BR
18.03.2020	Cardiac muscle - histology and function	08.00-09.00 BR
19.03.2020	Cartilage - Histology	09.00-10.00 NKJ
24.03.2020	Bone cells and organization of bone	08.00-09.00 NKJ
	Ossification	09.00-10.00 NKJ
25.03.2020	Erythropoiesis	08.00-09.00 SL
26.03.2020	Cellular elements of blood and their functions	09.00-10.00 SL
30.03.2020	Haemostasis and blood coagulation, blood groups and transfusion	09.00-10.00 SL
	Lymph node and spleen	10.00-11.00 NKJ
01.04.2020	Thymus and Bursa of Fabricius	08.00-09.00 NKJ
02.04.2020	Non-specific immune responses	09.00-10.00 DS
06.04.2020	Humoral immunity and cell mediated immunity	09.00-10.00 DS
	Hypersensitive reactions	10.00-11.00 DS
07.04.2020	Tissue transplants, tumour immunity, autoimmunity	08.00-09.00 DS
	Fertilisation in the mammal	09.00-10.00 NJ
08.04.2020	Zygote, Cleavage, Blastulation	08.00-09.00 NJ
09.04.2020	Gastrulation and derivatives of germ layers (including poultry)	09.00-10.00 NJ

MID-SEMESTER BREAK

20.04.2020	Flexion of the embryo	09.00-10.00	NJ
	Foetal membranes (including poultry)	10.00-11.00	NJ
21.04.2020	Arthrology – Introduction	08.00-09.00	NKJ
	Posture and movement in quadrupeds	09.00-10.00	SL
23.04.2020	Gait and locomotion in the domestic species	09.00-10.00	SL
27.04.2020	Principles of locomotion in fish and reptiles	09.00-10.00	DMSM
	Principles of avian flight	10.00-11.00	NJ
28.04.2020	Organisation of the cardiovascular system	08.00-09.00	NKJ
	Anatomy of the heart, major blood vessels in the thoracic cavity	09.00-10.00	NKJ
30.04.2020	Histology of arteries, veins and microcirculation	09.00-10.00	NKJ
04.05.2020	Development of the heart I: Formation of heart tube and primitive chambers	09.00-11.00	NKJ
05.05.2020	Development of the heart II: Differentiation of the atria and ventricles	08.00-09.00	NJ
	Development of the major vessels	09.00-10.00	NJ
06.05.2020	Foetal circulation and developmental defects	08.00-09.00	NJ
11.05.2020	Mechanical and electrical properties of the heart/ Electrocardiography	09.00-11.00	HSBA
12.05.2020	Cardiac cycle	08.00-09.00	HSBA
	Haemodynamics (pressure, flow and resistance)	09.00-10.00	HSBA
14.05.2020	Venous return and cardiac output	09.00-10.00	HSBA
18.05.2020	Regulation of blood pressure	09.00-11.00	HSBA
19.05.2020	Micro-circulation, oedema and physiology of circulatory shock	08.00-09.00	HSBA
	Organisation of the respiratory system	09.00-10.00	NJ
21.05.2020	Nasal cavity	09.00-10.00	NJ
26.05.2020	Guttural pouches	08.00-09.00	NJ
	Respiratory system - Development	09.00-10.00	NJ
28.05.2020	Anatomy and histology of larynx and trachea	09.00-10.00	NJ
01.06.2020	Anatomy and histology of bronchi, lung, blood air barrier	09.00-10.00	NJ
	Ventilation, lung volumes and capacities	10.00-11.00	HSBA
02.06.2020	Transport of oxygen and carbon dioxide in blood and tissue fluids	08.00-09.00	HSBA
	Regulation of respiration	09.00-10.00	HSBA
04.06.2020	Avian respiration	09.00-10.00	HSBA
08.06.2020	Avian respiration	09.00-10.00	HSBA
	Exercise physiology	10.00-11.00	SL

AJ	Dr. LJPAP Jayasooriya
DMSM	Dr. DMS Munasinghe
BR	Dr. RMSBK Ranasinghe
NKJ	Dr. NK Jayasekera
SL	Dr. LGS Lokugalappatti
DS	Dr. DA Satharasinghe
NJ	Dr. NUA Jayasena
HSBA	Prof. HBSA Ariyaratna

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