

PHY/ Acad/ 432/ 02.05.2022.

Dr. G. S. Kumar

GVP INSTITUTE OF HEALTHCARE AND MEDICAL TECHNOLOGY
DEPARTMENT OF PHYSIOLOGY
THEORY - TEACHING SCHEDULE FOR MAY 2022

Date	Time	Topic	Faculty
4-May-22	9.00 - 10.00 am	PY 3.1 Describe the structure and functions of a neuron and neuroglia; Discuss Nerve Growth Factor & other growth factors/cytokines	Prof Dr. M. Syamala devi
4-May-22	10.00 - 11.00 am	PY 2.9.1 Describe different blood groups and the clinical importance of blood grouping.	Mr. S. Jayabalakrishnan
5-May-22	10.00 - 11.00 am	PY 2.9.2 Discuss blood banking and transfusion	Mr. S. Jayabalakrishnan
6-May-22	9.00 - 10.00 am	PY 3.2 Describe the types, functions & properties of nerve fibers + PY 3.3 Describe the degeneration and regeneration in peripheral nerves	Prof Dr. M. Syamala devi
6-May-22	10.00 - 11.00 am	PY 3.7 Describe the different types of muscle fibres and their structure	Prof. Dr. A. V. Suresh Babu
6-May-22	2.45 - 3.30 pm	PY 1.7 Describe concept of pH & Buffer systems in body	Dr. G. Himavathy
7-May-22	9.00 - 10.00 am	PY 2.8.1 Describe the physiological basis of hemostasis and anticoagulants	Dr. G. Himavathy
7-May-22	10.00 - 11.00 am	PY 3.8 Describe action potential and its properties in different muscle types (skeletal and smooth)	Mr. S. Jayabalakrishnan
10-May-22	4.00 - 5.00 pm	PY 9.2 Describe and discuss puberty: onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association.	Prof. Dr. A. V. Suresh Babu
11-May-22	9.00 - 10.00 am	PY 3.4 Describe the structure of neuromuscular junction and transmission of impulses	Prof Dr. M. Syamala devi
11-May-22	10.00 - 11.00 am	PY 2.8.2 Describe bleeding & clotting disorders (Hemophilia, purpura, thrombosis etc.)	Dr. G. Himavathy
12-May-22	10.00 - 11.00 am	PY 3.9 Describe the molecular basis of muscle contraction in skeletal and in smooth muscle.	Mr. S. Jayabalakrishnan
13-May-22	9.00 - 10.00 am	PY 3.10 Describe the mode of muscle contraction (isometric and isotonic)	Mr. S. Jayabalakrishnan
13-May-22	10.00 - 11.00 am	PY 3.5 Discuss the action of neuro-muscular blocking agents + PY 3.6 Describe the pathophysiology of Myasthenia gravis + PY 3.13 describe muscular dystrophy: myopathies	Prof Dr. M. Syamala devi

13-May-22	2.45 - 3.30 pm	PY 9.1 Describe and discuss sex determination; sex differentiation and their abnormalities and outline psychiatry and practical implication of sex determination.	Dr. G. Himavathy
14-May-22	9.00 - 10.00 am	PY 9.3 Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness + PY9.5.1 Describe and discuss the physiological effects of male sex hormones	Mr. S. Jayabalakrishnan
14-May-22	10.00 - 11.00 am	PY9.4.2 Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes + PY 9.5.2 describe and discuss the physiological effects of female sex hormones	Dr. G. Himavathy
17-May-22	4.00 - 5.00 pm	PY 3.17 Describe Strength- duration curve + PY3.12 Explain the gradation of muscular activity	Mr. S. Jayabalakrishnan
18-May-22	9.00 - 10.00 am	PY 5.1.1 Describe the functional Anatomy of heart including Chambers, + PY 5.2 Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions of cardiac muscle	Prof Dr. M. Syamala devi
18-May-22	10.00 - 11.00 am	PY 9.11 Discuss the hormonal changes and their effects during perimenopause and menopause	Dr. G. Himavathy
19-May-22	10.00 - 11.00 am	PY5.1.2 Describe the functional Anatomy of heart including pacemaker tissue and conducting system + PY 5.4 Describe the generation, conduction of cardiac impulse	Prof Dr. M. Syamala devi
20-May-22	9.00 - 10.00 am	PY 9.8.1 Describe and discuss the physiology of pregnancy and outline the psychology and psychiatry-disorders associated with it. + PY 9.10 Discuss the physiological basis of various pregnancy tests	Dr. G. Himavathy
20-May-22	10.00 - 11.00 am	PY 5.3.1 Discuss the events occurring during cardiac cycle - Part 1	Prof. Dr. A. V. Suresh Babu
20-May-22	2.45 - 3.30 pm	PY 9.8.2 Describe and discuss the physiology of parturition & lactation and outline the psychology and psychiatry-disorders associated with it.	Dr. G. Himavathy
21-May-22	9.00 - 10.00 am	PY 5.3.1 Discuss the events occurring during cardiac cycle - Part 2	Prof. Dr. A. V. Suresh Babu
21-May-22	10.00 - 11.00 am	PY 2.10.1 Define and classify different types of immunity	Dr. G. Himavathy
24-May-22	4.00 - 5.00 pm	PY 2.10.2 Describe the development of immunity and its regulation Part 1	Dr. G. Himavathy

25-May-22	9.00 - 10.00 am	PY 5.5.1 Describe the Physiology of ECG, its application and cardiac axis Part 1	Prof Dr. M. Syamala devi
25-May-22	10.00 - 11.00 am	PY 2.10.2 Describe the development of immunity and its regulation Part 2	Dr. G. Himavathy
26-May-22	10.00 - 11.00 am	PY 5.5.2 Describe the Physiology of ECG, its application and cardiac axis Part 2	Prof Dr. M. Syamala devi
27-May-22	9.00 - 10.00 am	PY 5.6 Describe abnormal ECG , arrythmias, heart block & myocardial infraction	Prof Dr. M. Syamala devi
27-May-22	10.00 - 11.00 am	PY9.7 Describe and discuss the effects of removal of gonads on physiological functions	Prof. Dr. A. V. Suresh Babu
27-May-22	2.45 - 3.30 pm	PY 3.11 Explain energy source and muscle metabolism	Mr. S. Jayabalakrishnan
28-May-22	9.00 - 10.00 am	PY5.7.1 Describe and discuss hemodynamics of circulatory system - Part I	Prof. Dr. A. V. Suresh Babu
28-May-22	10.00 - 11.00 am	PY 9.6 Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages	Mr. S. Jayabalakrishnan
30-May-22	9.00 - 10.00 am	PY 5.7.2 Describe and discuss hemodynamics of circulatory system - Part II	Prof. Dr. A. V. Suresh Babu
30-May-22	10.00 - 11.00 am	PY 5.9.1 Describe the factors affecting heart rate and its regulation	Mr. S. Jayabalakrishnan
31-May-22	4.00 - 5.00 pm	PY 9.12 Discuss the common causes of infertility in a couple and role of IVF in managing a case of infertility.	Prof. Dr. A. V. Suresh Babu

A.S.J — *done* 2/5/22

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DEPARTMENT OF PHYSIOLOGY

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Department of Physiology
Gayathri Vidyaparishad
Institute of Healthcare and Medical T.
Visakhapatnam

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PRACTICALS - TEACHING SCHEDULE FOR MAY 2022

Date	Time	Topic	Faculty
2-May-22	11.15 am - 1.15 pm	Estimation of WBC count	All faculty
4-May-22	11.15 am - 1.15 pm	"	"
5-May-22	11.15 am - 1.15 pm	"	"
6-May-22	11.15 am - 1.15 pm	"	"
7-May-22	11.15 am - 1.15 pm	"	"
9-May-22	11.15 am - 1.15 pm	Estimation of RBC count	Prof. Dr. A. V. Suresh Babu & others
10-May-22	11.15 am - 1.15 pm	"	"
11-May-22	11.15 am - 1.15 pm	"	"
12-May-22	11.15 am - 1.15 pm	Determination of blood group	Mr. S. Jayabalakrishnan & others
13-May-22	11.15 am - 1.15 pm	"	"
14-May-22	11.15 am - 1.15 pm	"	"
16-May-22	11.15 am - 1.15 pm	Estimation of Bleeding & clotting time	Dr. G. Himavathy & others
17-May-22	11.15 am - 1.15 pm	"	"
18-May-22	11.15 am - 1.15 pm	"	"
19-May-22	11.15 am - 1.15 pm	Revision of Hematology	All faculty
20-May-22	11.15 am - 1.15 pm	"	"
21-May-22	11.15 am - 1.15 pm	"	"
23-May-22	11.15 am - 1.15 pm	Differential leucocyte count	Prof. Dr. A. V. Suresh Babu & others
24-May-22	11.15 am - 1.15 pm	"	"
25-May-22	11.15 am - 1.15 pm	"	"
26-May-22	11.15 am - 1.15 pm	Revision of DLC	All faculty
27-May-22	11.15 am - 1.15 pm	"	"
28-May-22	11.15 am - 1.15 pm	"	"
30-May-22	11.15 am - 1.15 pm	ESR, PCV and RBC indices	Dr. G. Himavathy & others
31-May-22	11.15 am - 1.15 pm	"	"

R. S. Rao 24/5/22

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Department of Physiology
Gayathri Vidya panishad
of Healthcare and Medical Technology

