GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Biomedical Science

Bachelor of Science in Clinical Nutrition and Dietetics
Semester End Examination - Jul 2024

Duration : 180 Minutes
Max Marks : 100

Sem III - C2UF307C - Human Phsiology II

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	Name a disease caused by an overproduction of cortisol and briefly explain its effects on the body.	K1(2)
2)	Discuss the effects of dehydration on electrolyte balance and how the body compensates through the excretory system to restore balance.	K2(4)
3)	Translate the complex concept of acid-base disorders and their relationship to electrolyte imbalances into a simplified explanation	K2(6)
4)	Construct a detailed flowchart illustrating the renin-angiotensin system, depicting each step from stimulus to response.	K3(9)
5)	Construct schematic representation of glomerular filtration, tubular reabsorption,and tubular secretion.	K3(9)
6)	Discuss techniques used to measure glomerular filtration rate, the criteria involved, and the importance of accurate measurements in evaluating renal function.	K5(10)
7)	Distinguish between different pituitary hormones based on their fuctions and affected organ	K4(12)
8)	Conclude on TSH, ACTH, Thymus, Diabetes Mellitus and Adrenal Cortex	K5(15)
9)	Assess the causes, symptoms, diagnosis, treatments, and preventive measures for diseases of the human reproductive system, emphasizing their impact on reproductive health and the importance of early intervention.	K5(15)
10)	Elaborate regulation of hormones of adrenal medulla and their actions. Write a note on pheochromocytoma and neuroblastoma.	K6(18)