

①

Q.P. code 38589

SOLUTION SET FOR HAP/SEM III/ CBGS/MAY 2018

Q.No.1	A	Functions of skin. State any 05 functions [01*05 = 05]	05
	B	Draw diagram flow and differentiate	05
	C	Spermatogenesis Diagram of longitudinal section of a testis and deferent duct [02] -Explanation of how sperms are generated. [03]	05
	D	Define blood pressure Write in brief about long term and short term regulators	05
	E	Explain the steps of coagulation. Flowchart of intrinsic and extrinsic pathways - [02] -Explanation -[03]	05
Q.No.2	A	Define endocrine glands. List them & state their secretion and functions. Definition – [01] List – Pituitary gland, hypothalamus, thyroid gland, parathyroid glands, adrenal glands,pancreatic islets, pineal gland, thymus gland.[03] Secretion – [04] Functions - [04]	12
	B	Explain the mechanics of respiration. Muscles of respiration [02] Pressure volume diagrams [03] Explanation of the diagram [03]	08
Q.No.3	A	Describe the various lobes of the brain with neat diagram. What are the functions of each lobe. Labelled diagram -[02] Each lobe function – [02 * 4 lobes = 08]	10
	B	Draw Diagram [04] Explain structure and function [06]	10
Q.No.4	A	Draw structure of cell [04] 4 organelles [1.5 m each][06]	10
	B	Draw and label a typical nerve action potential.[03] Explanation of each phase with flow of ions[07]	10

02

Q.No.5	A	Explain the classification of epithelial tissue in detail with neat diagrams Classification chart -[02] Explanation – [06] Diagrams -[02]	10
	B	Structure of ear [02] Explain the physiology of hearing. Diagram showing the physiology of hearing, passage of sound waves and summary of Transmission of sound waves - [04] - Explanation of the diagram - [04]	10
Q.No.6		Attempt any four	20
	A	Structure and explanation [03] Function [02]	
	B	Diagram [03] Explanation [02]	05
	C	Diagram [03] Explanation [02]	05
	D	Write about RBC, WBC, Platelets and plasma	05
	E	Salivary glands, liver, pancreas, gall bladder write in brief.	05