Marks: 75

2018-19 BPh Sem 1

1/12/18

Exam Date & Time: 01-Dec-2018 (09:30 AM - 12:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

BPharm Semester 1- End Semester Examination 2018 PHA BP-101T, Human Anatomy and Physiology Date: 01-12-2018

Human Anatomy and Physiology-I [PHA-BP101T]

Duration: 180 mins. Answer all the questions. II Long Answers 1) With a neat, labelled diagram, explain the events of excitation-contraction coupling in a skeletal muscle fibre [3+7] (10)2) Explain the physiology of secretion of hydrochloric acid in the stomach with a neat diagram. Describe the mechanical and chemical digestive processes in stomach (10)III Short Answers Answer all the questions. 1) Describe the components of connective tissue matrix. Name two classes of connective tissue citing an example each [3+2] (5)2) With a schematic representation, explain erythropoiesis. Discuss the negative feedback mechanism for its regulation [3+2] (5)3) Draw a neat, labelled diagram of a cell. List any five cell organelles. Give their (5)4) Explain the clinical significance of electrocardiogram List the accessory structures of skin. Enumerate skin glands and explain their 5) (5)function [1+4] (5) 6) Describe the hormonal regulation of blood pressure 7) Explain the formation and flow of lymph. Give the functions of lymphatic system (5)13.5+1.5] (5)---- End----

Exam Date & Time: 31-Dec-2018 (09:30 AM - 12:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

BPharm First Semester- End Semester Examination 2018 PCH-BP104T: Pharmaceutical Inorganic Chemistry Date:31/12/2018

Pharmaceutical Inorganic Chemistry [PCH-BP104T]

Marks	Duration	: 180 mins.
Answ	er all the questions.	
1)	Discuss the principle with reactions, involved in the limit test for arsenic. Descabout the apparatus, with a neat diagram, used to carry out this limit test.	ribe (10)
2)	Give any one example for the following categories, discuss their preparation an principle involved in their assay.	d
	a) systemic antacid b) haematinic	(10)
	III Short Answers	
	all the questions.	
1)	Give the principle involved in the limit test for chlorides in the given sample of sodium salicylate. Explain with equations	(5)
2)	Give the normal level, their location and physiological role of the following electrolytes in human body: a) chloride b) calcium	(5)
3)	Give the method of preparation and principle involved in the assay of Sodium thiosulfate	(5)
4)	Discuss in brief the regulation of pH buffering system in blood	
5)	Give any one example along with their molecular formula, for the following: a) astringent b) cathartic c) expectorant d) anti-caries agent e) antidote	(5)
6)	Give the diagnostic and therapeutic applications of radiopharmaceuticals	(5)
7)	What are hazards of radioisotopes? Mention the precautionary measures and storage conditions	(5)
End		(5)