e: 01-Dec-2017 (09:30 AM - 12:30 PM)



MANIPAL UNIVERSITY

MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES END SEMESTER THEORY EXAMINATIONS- NOVEMBER 2017 PROGRAM: BPHARM SEMESTER 1 DATE: 01/12/2017 TIME: 9:30AM - 12:30PM

Pharmaceutical Analysis-I [PQA-BP102T]

Duration: 180 mins.

I Multiple Choice Questions (MCQs)

Answer all the questions. 1) Explain the principle for the estimation of halogen acid salts of bases by non-aqueous titration with an example. 2) What are argentometric titrations? Classify its detection of end point methods with example. 3) What is Gravimetric analysis? Enlist its steps and applications. 4) Explain the end point detection in diazotization titration using external indicator and in argentometric titration using adsorption indicator. 5) Explain the preparation and standardization of 0.1 M NaOH solution Explain the ionic-chromophoric theory of indicators (5)		1)	What is lodometry? explain with suitable example. Explain iodate titrations with suitable example. Write in detail about the types of errors and any five approaches to minimize these errors	(10) (10)
Answer all the questions. Explain the principle for the estimation of halogen acid salts of bases by non-aqueous titration with an example. What are argentometric titrations? Classify its detection of end point methods with example. What is Gravimetric analysis? Enlist its steps and applications. What is Gravimetric analysis? Enlist its steps and applications. Explain the end point detection in diazotization titration using external indicator and in argentometric titration using adsorption indicator. Explain the preparation and standardization of 0.1 M NaOH solution Explain the ionic-chromophoric theory of indicators Explain the principle of complexometric titration with suitable (5)				
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indicator. Explain the preparation and standardization of 0.1 M NaOTT Explain the preparation and standardization of 0.1 M NaOTT solution Explain the ionic-chromophoric theory of indicators Explain the ionic-chromophoric theory of indicators (5)		4)	Explain the end point detection using adsorption the end point detection using adsorption to the end point detection to the end point	
Explain the ionic-chromophoric theory of indicators Explain the ionic-chromophoric theory of indicators Explain the ionic-chromophoric theory of indicators (5)			indicator.	(5)
white the principle of complexometric titration with succession		5)	solution solution	(5)
a) Write the principle of complexometric titrations example. b) Briefly discuss the types of complexometric titrations		6)	Explain the ionic-chromophone the system of complexometric titration with suitable	(5)
		7)	a) Write the principle of complex of complex of titrationsb) Briefly discuss the types of complex of titrations	

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MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES **END SEMESTER THEORY EXAMINATIONS - NOVEMBER 2017**

PROGRAM: BPHARM SEMESTER I

DATE: 04-12-2017 TIME: 9:30AM - 12:30PM

Human Anatomy and Physiology-I [PHA-BP101T]

Marks: 75 Duration: 180 mins.

II Long Answers

Answer all the questions. Describe the events in cardiac cycle. Explain different waves, ECG. (10)(6+4)2) With the help of a flowchart explain the process of haemopoiesis. Mention the morphological properties of RBC. (8+2)**III Short Answers** Answer all the questions. 1) Compare and contrast skeletal, cardiac and smooth muscle 2) Explain the process of acid secretion by parietal cells in the (5)3) Describe the classification of epithelial tissue with example (5)4) Explain how an action potential occurs in SA node and ventricular (5)contractile fiber. 5) (5)Discuss the process of absorption of lipids in small intestine Describe the functions of cell membrane proteins (5) Explain positive and negative feedback mechanism with examples (5) (5)

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Question Paper

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MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES END SEMESTER THEORY EXAMINATIONS- NOVEMBER 2017 PROGRAM: BPHARM SEMESTER 1

DATE: 06/12/2017 TIME: 9:30AM - 11:00AM

Communication Skills [PMA-BP105T] **Duration: 90 mins.** Marks: 35 I Long Answers Enlist barriers to effective communication. Discuss psychological 1) and physiological Barrier (2+8=10 Marks) II Short Answers Answer all the questions. Discuss characteristics of persons having direct and spirited (5)1) communication styles. Enlist tips for developing effective listening skills. Who are (5) 2) (4+1=5 Marks)marginal listeners? Write a brief note on classification of reports. (5) 3) (5) Describe types of group discussion. 4) Write a note on qualities of effective presenter. (5) 5) ----End----