

# International Islamic University Chittagong

## Department of Pharmacy

B. Pharm (Hon's) Program

Final Examination

Spring Semester 2018

Course Code: Pharm-1107

Course Title: Cell Biology and Anatomy

Time: 2 hours 30 minutes

Full Marks: 50

*(Answer of separate groups should be given in separate script. Figures in right margin indicate marks)*

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**Group A**      *(Answer any two questions from the followings)*      **Marks: 20**

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1. a) Organize the divisions of mediastinum in a sketch. 3  
b) Explain the systemic circulation in the body with proper illustration. 4  
c) How many layers does heart has? Give a short demonstration. 3
2. a) Demonstrate the functions of the valves of heart. 4  
b) What is your idea about different components of the pancreatic gland? 3  
c) Briefly describe the internal anatomy of spleen. 3
3. a) What is porta hepatis? Diagrammatically show the posterior anatomy of liver. 4  
b) Sketch the human digestive system with the organs associated with its function. 4  
c) Elaborate the functions of gall bladder. 2

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**Group B**      *(Answer any three questions from the followings)*      **Marks: 30**

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4. a) Explain the internal anatomy of the kidneys. 4  
b) How do kidneys contribute to the body's regulatory and excretory functions? 3  
c) Diagrammatically illustrate the structure of a human nephron. 3
5. a) What is your idea about pulmonary unit? 3  
b) Summarize the anatomy of the lungs. 4  
c) Write down your idea about bronchial tree. 3
6. a) Summarize the hypothalamic hormone secretion with their functions. 4  
b) What is gland? Arrange the major endocrine glands in the body. 2  
c) Mention the functions of pituitary gland. 2  
d) Illustrate the human hypothalamus. 2
7. a) Describe various parts and function of male reproductive organ. 4  
b) Describe various parts of uterus. 3  
c) Write a short note on seminal fluid. 3