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**B.Pharmacy (Semester – I) (CBCS) Examination, 2018  
ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION – I (Old)**

Day and Date : Thursday, 3-5-2018  
Time : 10.30 a.m. to 1.30 p.m.

Max. Marks : 70

1. Multiple Choice Questions : (1×15=15)

- 1) \_\_\_\_\_ releases 'thrombopoietin' which stimulate the platelet synthesis.  
A) Pancreas    B) Liver    C) Kidney    D) Salivary gland
- 2) \_\_\_\_\_ is function of lymph nodes.  
A) Filtering    B) Phagocytosis  
C) Proliferation of lymphocytes    D) All of above
- 3) Time required for atrial systole is \_\_\_\_\_ second.  
A) 0.8    B) 0.1    C) 0.3    D) 0.4
- 4) Exchange of gases between blood and body cells is defined as \_\_\_\_\_ respiration.  
A) Internal    B) External  
C) Alveolar ventilation    D) Other than A, B and C
- 5) Small intestine having \_\_\_\_\_ part known as jejunum.  
A) curved    B) straight    C) coiled    D) extended
- 6) A mentally healthy person is  
A) Satisfy with himself    B) Well adjusted  
C) Take own decisions    D) All of above
- 7) For the transfusion of blood always donors' \_\_\_\_\_ are considered.  
A) RBC    B) WBC  
C) Platelets    D) Other than A, B and C
- 8) Following one organ is not associated with spleen  
A) Diaphragm    B) Fundus    C) Pancreas    D) Liver
- 9) Blood passes through the right atrio-ventricular opening into the right ventricle. Here the opening is guarded by \_\_\_\_\_ valve.  
A) Tricuspid    B) Bicuspid  
C) Semilunar pulmonary    D) Semilunar aortic



- 10) \_\_\_\_\_ lies behind the mouth.  
A) Nasopharynx                                  B) Oropharynx  
C) Laryngopharynx                              D) Oesophagus
- 11) Secretion of saliva is under \_\_\_\_\_ nervous system  
A) Central nervous                              B) Peripheral  
C) Autonomic                                      D) Somatic
- 12) \_\_\_\_\_ is a bilobed nucleus in granulocytes.  
A) Neutrophils   B) Basophils      C) Eosinophils   D) Lymphocytes
- 13) Lymphatic system consists of  
A) lymph vessels                              B) lymph nodes  
C) lymph organs                              D) all of above
- 14) \_\_\_\_\_ part of heart is less thicker.  
A) Right atrium   B) Left atrium      C) Left ventricle   D) Right ventricle
- 15) Sound producing vocal cords are located in  
A) Pharynx                                      B) Larynx  
C) Nasal cavities                              D) Other than A, B and C

2. Solve **any five** : **(5×5=25)**

- A) List out various leukocytes and mention two important functions of each.
- B) Write the composition and functions of lymph.
- C) Briefly discuss the different components of ECG.
- D) Discuss in brief the mechanism of respiration.
- E) Name the salivary glands. Write the composition and functions of saliva.
- F) Explain physical and mental health.

3. Solve **any three** : **(10×3=30)**

- A) Draw a neat labeled diagram of internal structure of heart. Discuss the role of Renin Angiotensin System in regulation of blood pressure.
- B) Explain hemolytic disorder of new born. Add note on mechanism of hemostasis.
- C) Show the structure of small intestine. Discuss the process of digestion in small intestine.
- D) What is respiration ? Describe exchange of gases during internal and external respiration.