

**FACULTY****B. Pharmacy I Year (Non CBCS)(Backlo) Examination, December 2018****Subject : Anatomy, Physiology and Health Education****Time : 3 Hrs****Max. Marks: 70*****Note: Answer all questions. All questions carry equal marks.***

- 1 (a) (i) Write abt varis types of transport mechanisms across the plasma membranes. (8)  
(ii) Explain the properties and functions of any two connective tissues. (6)  
**OR**  
(b) (i) Enumerate types of Epithelial tissue and explain in detail any three of them. (8)  
(ii) Explain the structure and functions of bone. (6)
- 2 (a) (i) Explain anatomy and physiology of parasympathetic nervs system . (8)  
(ii) Define reflex arc. Explain varis components of reflex arc. (6)  
**OR**  
(b) (i) Define clot. Explain intrinsic, extrinsic and common pathways of blood clottin. Add a note on role of Vitamin K in the process of blood clottin. (8)  
(ii) Explain the structure and functions of RBC. (6)
- 3 (a) (i) Define Vital capacity. Discuss abt Neuronal reulation of respiration. (8)  
(ii) Explain abt phases of secretions of astric juice with a neat diaram. (6)  
**OR**  
(b) (i) Discuss abt formation, storae, release, actions of thyroid hormones. (8)  
(ii) Write abt the disorders of pituitary land. (6)
- 4 (a) (i) Explain the physiology of urine formation. (8)  
(ii) Write abt structure and functions of kidney. (6)  
**OR**  
(b) (i) Explain the anatomy of Ear with a neat labeled diaram. (8)  
(ii) Write abt physiology of smell. (6)
- 5 (a) (i) Define Inflammation. Explain the cellular chanes observed durin acute inflammation. (8)  
(ii) Write abt oral con traceptives. (6)  
**OR**  
(b) (i) Define and classify Neoplasm. (8)  
(ii) Write a note on Hemorrhae and thrombosis (6)

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