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Paper Id:

150203

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**B PHARM
(SEM-II) THEORY EXAMINATION 2018-19
ANATOMY, PHYSIOLOGY & PATHOPHYSIOLOGY-II**

Time: 3 Hours**Total Marks: 100****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt all questions in brief. 2 x 10 = 20**
- a. What are meninges? Enlists different layers of meninges with its function.
 - b. What are excitatory and inhibitory neurotransmitters?
 - c. Write function of respiratory center of the medulla oblongata.
 - d. What are the different brain waves of the EEG? Give its clinical significance.
 - e. What if ABO system of blood grouping?
 - f. What is fibrin? Write its role in blood coagulation
 - g. What is GFR?
 - h. Give function of ADH and ANP hormone in physiology of urine formation.
 - i. What is the difference between acute and chronic renal failure?
 - j. What is mucus? Give its important function.

SECTION B

- 2. Attempt any three of the following: 10x3=30**
- a. Discuss in detail about the specialized function and various centres of cerebrum and medulla oblongata.
 - b. Discuss in detail about the physiology of parasympathetic system.
 - c. Discuss in detail about the process of Haemopoiesis.
 - d. Discuss in detail about the pathophysiology of hypersensitivity reaction.
 - e. Draw cross section of human kidney and discuss in detail about the physiology of micturition.

SECTION C

- 3. Attempt any one part of the following: 10x1=10**
- a. Draw cross section of pancreas and discuss the role of various endocrine and exocrine secretions in the process of digestion.
 - b. Discuss in detail about the pathophysiology of UTI with its treatment and management.
- 4. Attempt any one part of the following: 10x1=10**
- a. What is gall bladder and discuss its role in the regulation and secretion of bile.
 - b. Discuss in detail about the role of renin in the regulation of blood pressure and urine output.

- 5. Attempt any *one* part of the following: 10x1=10**
- a. Discuss pathophysiology of pancreatitis with its treatment and management.
 - b. Discuss in detail about the role of small and large intestine in the absorption of nutrients.
- 6. Attempt any *one* part of the following: 10x1=10**
- a. Discuss in detail about the pathophysiology of sickle cell anemia and megaloblastic anemia.
 - b. Discuss in detail about the role of various metabolic processes performed by liver as energetics.
- 7. Attempt any *one* part of the following: 10x1=10**
- a. Discuss in detail about the pathophysiology, prevention and treatment of Zollinger Ellision syndrome.
 - b. Write note on pathophysiology of liver cirrhosis with its treatment and management.