



**P-014-1042001**

Seat No. \_\_\_\_\_

**M. P. M. (Sem. II) (CBCS) Examination**

**June / July - 2018**

**Human Anatomy & Physiology – II**  
**(BP-201T)**

**Faculty Code : 014**

**Subject Code : 1042001**

Time : 3 Hours]

[Total Marks : 75

**Instructions :**

- (1) Figures to the right indicate full marks.
- (2) Draw neat and clean diagram wherever required.

**1 Answer the following questions : 10×2=20**

- (a) Comment : Circumventricular organs monitor changes in BBB and controls homeostatic activities within the brain.
- (b) Define : Epilepsy.
- (c) Enlist various functions of Larynx.
- (d) Differentiate : Relative refractory and Absolute Refractory period.
- (e) Explain Regurgitation.
- (f) Enlist different organs of male and female reproductive system.
- (g) Enlist various endocrine glands.
- (h) Define : Vital capacity.
- (i) Enlist names of different organs of urinary system in order of urine flow starting from Bowman's capsule.
- (j) What is renal clearance ?

**2 Answer any two out of the following : 2×10=20**

- (a) Classify nervous system and write a brief note on different types of neurons.
- (b) Write a note on physiology of glomerular filtration and tubular reabsorption and secretion in urine formation.
- (c) Draw a neat and labeled diagram of digestive tract and explain about gastric acid secretion.

**3** Answer any **seven** out of the following : **7×5=35**

- (a) Write a note on renin angiotensin system.
  - (b) Write a note on external and internal respiration processes.
  - (c) Comment : After consumption of alcohol urine output increase. Discuss in brief about functions of anti-diuretic hormone.
  - (d) Discuss significance of CSF.
  - (e) Write a brief note on hormones of anterior pituitary gland.
  - (f) Differentiate : Endocrine and Exocrine glands with suitable examples. Name any gland having both the characteristics.
  - (g) Enlist different cranial nerves. Write in brief about trigeminal and vagus nerve.
  - (h) Write a brief discussion on following disorders : Bronchial Asthma & Gigantism.
  - (i) Draw a neat and labeled diagram of male reproductive system.
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