



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 : $10 \times 2 = 20$

- (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 Bowmen'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.
