



DDI-201-T

Seat No. _____

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

September - 2022

BP-201T : Human Anatomy & Physiology - II

Time : 3 Hours]

[Total Marks : 75

Instructions : (1) Figures to the right indicates full marks.
(2) Draw neat and clean diagram wherever required.

- 1** Write in brief about the following questions : **10×2=20**
 - (a) Define : (i) Tidal volume (ii) Vital capacity.
 - (b) Write a note on nerve fiber.
 - (c) Explain : (i) Receptors (ii) Neurotransmitter
 - (d) Explain BMR.
 - (e) Write the role of pepsin in protein digestion.
 - (f) Write a note on DNA.
 - (g) Explain the role of hormones secreted from Pancreas.
 - (h) Explain : (i) Asthma (ii) Renal Calculi
 - (i) Explain the role of RAS in kidney.
 - (j) Write the functions of : (i) Cerebrum (ii) Medulla oblongata.

- 2** Write at length about following : (any **two**) **2×10=20**
 - (a) Draw a labeled of a nephron. Explain the glomerular filtration in detail.
 - (b) Draw a labeled diagram of male reproductive system. Explain menstruation cycle in detail.
 - (c) Write a note on anatomy and physiology of thyroid gland.

- 3** Describe following in detail : (any **seven**) **7×5=35**
 - (a) Write a note on control and regulation of respiration.
 - (b) Write a note on CSF.
 - (c) Explain the functions of Small intestine and Liver.
 - (d) Draw a labeled diagram of respiratory system with bronchial tree.
 - (e) Write a note on generation and propagation of nerve action potential.
 - (f) Explain the physiology of digestion.
 - (g) Write a note on various contraceptive methods in detail.
 - (h) Draw a labeled diagram of female reproductive system.
 - (i) Explain spermatogenesis.