



**J-014-1042001**

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

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

**June / July - 2019**

**BP-201T : Human Anatomy & Physiology - II**

**Faculty Code : 014**

**Subject Code : 1042001**

Time : 3 Hours]

[Total Marks : 75

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

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

- (a) Discuss pepsin role in protein digestion.
- (b) Give brief note on disorder of thyroid gland.
- (c) Justify role of RAS in kidney.
- (d) What is Enteritis and glomerulonephritis?
- (e) What are neurotransmitters? Give several examples of neurotransmitters?
- (f) Trace the pathway of air from outside into the blood.
- (g) Define role of RNA & DNA in Genetics.
- (h) What is the purpose of the cerebrospinal fluid?
- (i) Explain the components of a reflex arc.
- (j) Give functions of kidney.

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

- (a) Draw a labelled diagram of digestive system. Write functions of liver and spleen.
- (b) Explain anatomy and function of Female reproductive system.
- (c) Discuss detailed about protein synthesis in genetics.

**3** Answer any **seven** out of the following :

**7×5=35**

- (a) Discuss about the pattern of inheritance.
  - (b) Explain physiology of urine formation.
  - (c) Discuss about the methods of artificial respiration.
  - (d) Explain the process of spermatogenesis.
  - (e) Explain hormones of pituitary gland.
  - (f) Draw a labelled diagram of brain. Give functions of hypothalamus and thalamus.
  - (g) Discuss about the formation and role of ATP.
  - (h) Discuss structure, location and function of spinal cord.
  - (i) Discuss about sex hormones.
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